Hi-Fi AV Surround Receiver

DENON

SERVICE MANUAL

MODEL AVR-800

AV SURROUND RECEIVER





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NIPPON COLUMBIA CO., LTD.

(U.S.A. AND CANADA MODELS.) **SPECIFICATIONS**

Audio Section

for North America model

(Power amplifier)

Front (main 2ch driven)

Rated output:

60 W + 60 W (8 ohms, 20 Hz - 20 kHz with 0.08% THD)

(All properties shown are only for the power

CENTER (center 1ch driven) (8 ohms, 20 Hz - 20 kHz with 0.08% THD

60 W REAR (rear 2ch driven)

amplifier stage.)

15 W + 15 W (8 ohms, 1 kHz with 0.3% THD)

±3 dB

PHONO (MM): 2.5 mV / 47 kohms

Output terminals:

6 to 16 ohms Front: Center: 8 to 16 ohms

8 to 16 ohms Rear:

Line input (Each line input - FRONT SP OUT)

Frequency response:

Input sensitivity / impedance:

150 mV/47 k ohms

10 Hz to 50 kHz:

Tone control range:

BASS:

±10 dB at 100 Hz ±10 dB at 10 kHz TREBLE

Signal-to-noise ratio

92 dB (BYPASS)

Phono equalizer (PHONO input - REC OUT)

RIAA deviation:

±1 dB (20 Hz to 20 kHz)

Signal-to-noise ratio:

74 dB (A weighting, with 5 mV input)

Rated output / Maximum output: Distortion factor:

150 mV/8 V 0.03% (1 kHz, 1 V)

Tuner Section

[FM] (note: μ V at 75 ohms, 0 dBf = 1 \times 10⁻¹⁵ W)

Receiving Range:

 $87.5 \, \mathrm{MHz} \sim 108.0 \, \mathrm{MHz}$ (for North America model) $87.50 \, \mathrm{MHz} \sim 108.00 \, \mathrm{MHz}$ (for multi-voltage model)

Usable Sensitivity:

1.0 µV (11.2 dBf)

50 dB Quieting Sensitivity:

1.6 µV (15.3 dBf) MONO STEREO 23 µV (38.5 dBf)

Signal to Noise Ratio (IHF-A):

MONO 80 dB **STEREO** 75 dB

Total Harmonic Distortion

MONO 0.15%

STEREO 0.3%

(at 1 kHz):

[AM] Receiving Range:

520 kHz ~ 1710 kHz (for North America model)

522 kHZ ~ 1611 kHz (for multi-voltage model)

Usable Sensitivity:

Signal to Noise Ratio:

18 µV 50 dB

Video Section

Standard video jacks

Input and output level / impedance:

1 Vp-p/75 ohms 2 Hz to 8 MHz +0, -3 dB

Frequency response:

Power supply:

AC 120 V, 60 Hz (for North America model)

AC 110/220 V, 50/60 Hz (for multi-voltage model)

Power consumption:

4.0 A (for North America model)

W (for multi-voltage model)

Maximum external dimensions:

434 (W) \times 142 (H) \times 325 (D) mm (17-3/32" \times 5-19/32" \times 12-51/64") 9.1 kg (20 lbs 1 oz)

Weight:

Remote control unit System remote control

RC-169:

Total buttons:

36

DENON system code

CD player:

Cassette deck:

6 buttons 6 buttons 24 buttons

AVR-800 fixed codes:

Batteries:

R6P/AA Type (two batteries)

External dimensions:

55 (W) \times 18 (H) \times 180 (D) mm (2-11/64" \times 45/64" \times 7-3/32")

Weight:

110 g (Approx. 4 oz) (including batteries)

^{*} For purposes of improvement, specifications and design are subject to change without notice.

NAMES OF PARTS Front Panel)

2

BEZEICHNUNG DER TEILE NOMENCLATURE (Panneau avant) (Frontplatte)

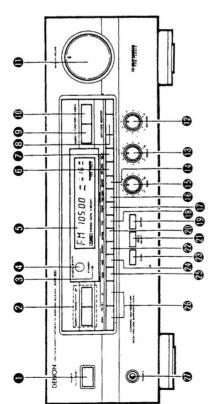
OMENCLATURA (Pannello anteriore)

NAMEN VAN ONDERDELEN NOMBRE DE LAS PARTES Panel delantero)

(Voorpaneel)

DE OLIKA DELARNAS NAMN

(Frontpanel)



Abstimmtasten (TUNING) Netztaste (POWER)

Multi-Funktions-Display (MFD)
3-Kanal Logik-Moodus-Taste (3CH. LOGIC MODE)
2-kiverzögerungstaste (DELAY TIME)
A7-Cassettendeck-Überwachungstaste
(DAT/TAPE MONITOR) Bereitschaftsanzeige (STANDBY LED) Sensor für Fernbedienung

(Multi-function fluorescent display)

SCH. LOGIC MODE BUTTON

STANDBY LED REMOTE CONTROL SENSOR

FOR ENGLISH READERS POWER BUTTON TUNING BUTTONS DELAY TIME BUTTON
DAT/TAPE MONITOR BUTTON
AUDIO FUNCTION BUTTON
VIDEO FUNCTION BUTTON
MASTER VOLUME

Audio-Funktionstaste (AUDIO FUNCTION) Video-Funktionstaste (VIDEO FUNCTION) Hauptlautstärke (MASTER VOLUME)

Höhen-Steuerung (TREBLE) Mittel-Modus Taste (CENTER MODE) Balance-Steuerung (BALANCE)

Bass-Steuerung (BASS)
Dolby-Pro Logik-Modus Taste (DOLBY PRO LOGIC Taste für Studio-Modus (STUDIO MODE)
-Taste für Saal-Modus (HALL MODE)
-Ausgangstaste (OUTPUT)
-Bypass-Taste (BYPASS)

DOLBY PRO LOGIC MODE BUTTON

BASS control

BALANCE control
TREBLE control
CENTER MODE BUTTON

STUDIO MODE BUTTON HALL MODE BUTTON OUTPUT BUTTON BYPASS BUTTON

Abstimmungsmodus-Taste (TUNING MODE) Videoauswahl-Taste (VIDEO SELECT) Speichertaste (MEMORY) Konsolentaste (PANEL)

Tuner-Voreinstellungs-Tasten (TUNER PRESET) Kopfhörerbuchsen (PHONES JACK) Abstimmungsband-Tasten (TUNING BAND) (Abstimmungsmodus-Wahlschalter) (Abstimmungsband-Wahlschalter)

(Tuning Mode Selector Switch)
TUNING BAND BUTTON

TUNING MODE BUTTON VIDEO SELECT BUTTON MEMORY BUTTON

PANEL BUTTON

(Tuning Band Selector Swit TUNER PRESET BUTTONS

PHONES JACK

POUR LES LECTEURS FRANCAIS

1 TOUCHES DE SYNTONISATION (TUNING)

2 TOUCHES DE SYNTONISATION (TUNING)

3 TEMOIN DE VEILLE (STANDBY LED)

4 DETECTEUR DE TELECOMMANDE

5 MED (Affichage fluorescent multi-fonction)

5 TOUCHE DE MODE LOGIOUE 3 CANAUX

7 SCH. LOGIC MODE)

6 TOUCHE DE MOTONIROLE DE BANDE

7 TOUCHE DE FONCTION AUDIO (AUDIO FUNCTION)

6 COmmande de YOLUME GLOBAL (MASTER VOLUME)

6 Commande de YOLUME (TREBE)

6 Commande de YOLUME (TREBE)

PER IL LETTORE ITALIANO

1 TASTIO DI ACCENSIONE

1 LETO DI ATTESA

1 LETOTORIZZAZIONE

1 LED DI ATTESA

1 LETOTORIZZAZIONE

1

1 WTERRUPTOR DE ALIMENTACION

B BOTTONES DE SINTONIZACION

B ELD DE MODO DE ESPERA

SENSOR DE CONTROL REMOIT

MED IVISUAITAGON ILLORESCENTE MULTINICION

B BOTTON SELECTOR DE MODO 3CH. LOGGIC

BOTTON SELECTOR DE MODO 3CH. LOGGIC

BOTTON SELECTOR DE TIEMPO DE RETARDO

BOTTON SELECTOR DE PRIMARA DE MODIO

BOTTON SELECTOR DE FINTRAÇA DE MODIO

BOTTON SELECTOR DE FINTRAÇA DE MODIO CONTROL PRINCIPAL DE VOLUMEN Control de balance (BALANCE) Control de toros agudos (TRELE) BOTON SELECTOR DE MODO CENTRAL PARA LECTORES DE ESPAÑOL

DINFERRUPTOR DE ALIMENTA

BETONES DE SINTONIZACIÓN

ELD DE MODOD DE ESPERA

SENSOR DE CONTROL REMO

BOTON SELECTOR DE MODO

BOTON SELECTOR DE TIENR

BOTON SELECTOR DE TIENR

BOTON SELECTOR DE ENTRA

BOTON SELECTOR DE ENTRA

CONTROL PRINCIPAL DE VOIL

CONTROL PRINCIPAL DE VOIL

CONTROL PRINCIPAL DE VOIL

CONTROL DE BOTOM

CONTR

MFD (Multifunktionele lichtgevende display) 3 KANAALS LOGIC-STANDTOETS (3 CH. LOGIC MODE) VERTRAGINGSTIJDTOETS (DELAY TIME) VOOR NEDERLANDSTALIGE LEZERS

6 SPANNINGSTOFTS (POWVER)

6 AFSTEWTOETSEN (TUNING)

6 STANDBY-ARADDLUDING (STANDBY LED)

4 AFSTANDSEEDIENINGSSENSOR

(HEMOTE CONTROL SENSOR) 000000000000

DAT/bandmeelusterroets (DAT/TAPE MONITOR)
AUDIOFUNKTIETOETS AUDIO FUNCTION)
VIDEOFUNKTIETOETS (VIDEO FUNCTION)
HOOFDVOLUME (MASTER VOLUME) Hoge tonen-regelaar (TREBLE) MIDDENSTANDTOETS (CENTER MODE) Lage-tonenregelaar (BASS) Balansregelaar (BALANCE)

Fjärkontrolisensor (REMOTE CONTROL SENSOR)
MFD-display
T angent for 3-kanalstogik (3CH. LOGIC MODE)
Tangent for reglering av lidsfördröjningen
(DELAY TIME) Strömbrytare (POWER) Avstämningstangenter (TUNING) Beredskapsindikator (STANDBY) FOR SVENSKA LÁSARE

O Stromborytate (POWER

O Beredskapsindikator (So

Fjärkontollsensor (RE

O MFD-display Sanalsto

O Tangen (or Sanalsto

Tangen (or Sanalsto

Tangen (or Sanalsto

DAT./DACKVALJARE (DAT/TAPE MONITOR) Audiofunktionstangent (AUDIO FUNCTION)
Videofunktionstangent (VIDEO FUNCTION)
Ljudstyrkekontroll (MASTER VOLUME)
Balanskontroll (BALANCE)
Diskantkontroll (TREBLE)

Commande de graves (BASS)

1 TOUCHE DOLLSY ROL LOGIC MODE

1 TOUCHE DE MODE SALLE (HALL)

1 TOUCHE DE MODE SALLE (HALL)

1 TOUCHE DE MODE SALLE (HALL)

2 TOUCHE DE DERINATION (BYPASS)

2 TOUCHE DE DERINATION (BYPASS)

3 TOUCHE DE PRINATION (BYPASS)

3 TOUCHE DE PAINATION (BYPASS)

4 TOUCHE DE PAINATION (BYPASS)

5 TOUCHE DE PAINATION (TUNING)

6 TOUCHE DE GAMME DE SYNTONISATION (TUNING)

5 TOUCHE DE GAMME DE SYNTONISATION (TUNING)

6 TOUCHE DE GAMME DE SYNTONISATION (TUNING)

6 TOUCHES DE PREREGLAGE DE TUNIER

1 TOUCHES DE PREREGLAGE DE TUNIER 99999999

PRISE CASQUE (PHONES)

TASTO DEL MODO CENTRALE
CONTROLLO DEI RASSI
TASTO DEL MODO DOLBY PRO LOGIC
TASTO DEL MODO STUDIO
TASTO DEL MODO HALL
TASTO DI VASCITA
TASTO DI VASCITA
TASTO DI SECEZIONE VIDEO
TASTO DI SECEZIONE VIDEO
TASTO DI SECEZIONE

TASTO DEL MODO DI SINTONIZZAZIONE TASTO DELLA BANDA DI SINTONIZZAZIONE TASTI DI PRESELEZIONE DEL SINTONIZZATORE PRESA DELLE CUFFIE

© Control de tonos bajos (BASS)

© BOTON SELECTOR DE MODO DOLBY PRO LOGIC

© BOTON SELECTOR DE MODO "HALL"

© BOTON DE SALIDA

© BOTON VIDCO SELECT

© BOTON VIDCO SELECT Interruptor selector de modo de sintonización (TUNING MODE)

Interruptor selector de banda de sintonización (TUNING BAND) BOTONES DE PRESINTONIZACION CONECTOR PARA AURICULARES

⑤ DOLBY PRO LOGIC-STANDTOETS (DOLBY PRO LOGIC MODE)

DECONCENTAGE (STUDIO MODE)

STUDIOSTANDICETS (STUDIO MODE)

DUTVOERTOETS (OUTPUT)

NEGERTOETS (WPASS)

MICHOGRACITOETS (WIDEO SELECT)

GENERATORIS (MEMORY)

PAREEL OFFIS (MEMORY) AFSTEMSTANDTOETS (TUNING MODE)

(Golfband-afstemkeuzeschakelaar) TUNER-VOORKEUZETOETSEN (TUNER PRESET) HOOFDTELEFOONAANSLUITING (PHONES) (Afstemstand-keuzeschakelaar) GOLFBANDAFSTEMTOETS (TUNING BAND)

Mittkanalsväljare (CENTER MODE) Baskontroll (BASS) Förbikopplingstangent (BYPASS) Videoväljare (VIDEO SELECT) Minnestangent (MEMORY) Högtalaromkopplare (OUTPUT) DOLBY PRO LOGIC-tangent STUDIO-tangent PANEL-tangent HALL-tangent

Avstāmningsomkopplare (TUNING MODE) Frekvensbandväljare (TUNING BAND) Snabbvalstangenter (TUNER PRESET) Hörtursuttag (PHONES)

(M)

INTRODUZIONE / INTRODUCCIÓN / INLEIDING / INLEDNING 1 INTRODUCTION / EINFÜHRUNG / INTRODUCTION

NOTE ON USE/HINWEISE ZUM GEBRAUCH/OBSERVATIONS RELATIVES A L'UTILISATION NOTE SULL'USO/NOTAS SOBRE EL USO/ALVORENS TE GEBRUIKEN/OBSERVERA





- che ci sia un'adeguata disper-ore quando installate l'unità in di esporre l'unità a temperature
- sciente dispersión del calor nstalado en la consola.



- Halten Sie das Kabel am Stecker, wenn Sie
- la prise lors du débranchement du neggiate il filo di alimentazione
- e per la spina quando scollegale il cave Maneje el cordón de energía con cuidado Sostenga el enchufe cuando desconecte e
- seie com cuidado a fio condutor de



- ten Sie das Gerät von Feuchtigkeit,
- aat binnendringen. inte apparaten för fukt, vatten och tigheid, water of stof in het

 - Mantenha o aparelho tivre de qualque umidade, água ou poeira.



atens hoje. permita que inseticidas, benzina e ivirile enfrem em contacto com o

te insektsmedel på sprayt



(For sets with ventilation holes)

NUR FÜR EUROPÄISCHE MODELLE

Konformitätserklärung

Die DENON Electronic GmbH 4030 Ratingen 1 Halskestraße 32

Erklärt als Hersteller/Importeur, daß das in dieser Bedienungsanleitung beschriebene Gerät den Technischen Vorschriften für Ton- und Fernseh-Rundfunkempfänger nach der Amtsblattverfügung 868/1989 (Amtsblatt des Bundesministers für Post und Telekommunikation vom 31. 8. 1989) entspricht.

"SERIAL NO.

PLEASE RECORD UNIT SERIAL NUMBER ATTACHED TO THE REAR OF THE CABINET FOR FUTURE REFERENCE"

(EUROPE MODEL) **SPECIFICATIONS**

Audio Section

(Power amplifier)

Front (main 2ch driven)

Rated output:

(8 ohms, 20 Hz - 20 kHz with 0.1% THD) 60 W + 60 W CENTER (center 1ch driven)

(All properties shown are only for the power

(8 ohms, 20 Hz - 20 kHz with 0.1% THD 60 W

amplifier stage.)

REAR (rear 2ch driven)

(8 ohms, 1 kHz with 0.5% THD) 15 W + 15 W

Output terminals:

6 to 16 ohms Front: 8 to 16 ohms Center:

Rear:

8 to 16 ohms

Line input (Each line input - FRONT SP OUT) Input sensitivity / impedance:

150 mV/47 k ohms

PHONO (MM): 2.5 mV / 47 kohms ±3 dB

Frequency response:

10 Hz to 50 kHz:

Tone control range:

BASS:

±10 dB at 100 Hz

TREBLE:

±10 dB at 10 kHz

Signal-to-noise ratio

92 dB (BYPASS)

Phono equalizer (PHONO input - REC OUT)

RIAA deviation:

±1 dB (20 Hz to 20 kHz)

Signal-to-noise ratio: Rated output / Maximum output: 74 dB (A weighting, with 5 mV input) 150 mV/8 V

Distortion factor:

0.03% (1 kHz, 1 V)

Tuner Section

[FM] (note: μV at 75 ohms, 0 dBf = 1 \times 10 15 W)

Receiving Range:

87.50 MHz ~ 108.00 MHz

Usable Sensitivity:

1.0 µV (11.2 dBf)

50 dB Quieting Sensitivity:

1.6 µV (15.3 dBf) MONO

STEREO 23 µV (38.5 dBf) 80 dB MONO

Signal to Noise Ratio (IHF-A):

75 dB STEREO

Total Harmonic Distortion

0.4% MONO

(at 1 kHz):

STEREO 0.5%

[AM]

Receiving Range:

522 kHZ ~ 1611 kHz

Usable Sensitivity: Signal to Noise Ratio: 18 uV 50 dB

Video Section Standard video jacks

Input and output level/impedance:

1 Vp-p/75 ohms

Frequency response:

2 Hz to 8 MHz + 0, -3 dB

General

Power supply:

AC 230 V, 50 Hz (for Europe model)

AC 240 V, 50 Hz (for U.K. model)

Power consumption:

Maximum external dimensions:

434 (W) \times 142 (H) \times 325 (D) mm (17-3/32" \times 5-19/32" \times 12-51/64")

Weight:

9.1 kg (20 lbs 1 oz)

Remote control unit

System remote control

RC-169:

Total buttons:

36

DENON system code

CD player:

6 buttons

Cassette deck:

6 buttons 24 buttons

AVR-800 fixed codes: Batteries:

R6P/AA Type (two batteries)

External dimensions:

55 (W) \times 18 (H) \times 180 (D) mm (2-11/64" \times 45/64" \times 7-3/32")

Weight:

110 g (Approx. 4 oz) (including batteries)

^{*} For purposes of improvement, specifications and design are subject to change without notice.

14 TROUBLESHOOTING

If a problem should arise, first check the following:

2. Have you operated the amplifier according to the Operating Instructions?

3. Are the speakers, turntable, and other components operating property?

3. Are the speakers, turntable, and other components operating property?

If the receiver is not operating property, check the items listed in the table below. Should the problem persist, there may be a malfunction. Disconnect the power immediately and contact your store of purchase.

_		·	1	Ţ-			т-	1	· [T	,		
Page	00	15 15 16	ž .	11-13	1214	23, 25	~	12	r 3	1	12	- 22	01
Measures	Check the insertion of the power cord plug.	Connect securely. Press the OUTPUT button. Set to a suitable position. Turn volume up to suitable level. Switch off MUTING.	Switch power off, connect speakers prop- early, then switch power back on Turn off the set's power, then ventilate at well to gool it down. Once the set is cooled down, turn the power back on.	Connect securely. Connect securely. Adjust balance knob properly.	Check left and right connections.	Sct the rear level to lower level.	Press the DAT/TAPE bullon to set the source.	Connect securely. Connect securely. Contact year store of purchase.	Separate as much as possible. Use cushions to absorb stocker vibra- tions transmitted by floor. It turntalite is nor equopped with insulators, use audio insulators (commonly available).	Apply proper stylus pressure. Check stylus. Replace cartridge.	Replace with MM cartridge or use a head amplifier or step-up transformer.	Replace with new batteries. Move closer. Remove obstacle.	Press the proper button. Insert butteries properly
-	٠	• • • • • • • • • • • • • • • • • • • •	• •	•••	•	٠	٠	• ••		• • •		• • •	• •
Cause	Power cord not plugged in securely	Speaker cords not securely connected OUTPU button is off. Improper position of the audio function button. Volume contol set to minimum. MUTING is on.	Speaker terminals are short circuited Block the ventilation holes of the set. The unit is operating at continuous high power conditions and/or inadequate venilation.	Incomplete connection of speaker cords. Incomplete connection of input/output cords. Left/right balance is off.	Reverse connections of left and right speakers or left and right input/output cords.	Rear level is too high.	DAT/tape monitor mode set.	Ground wire of turntable not connected property. Incomplete PHONO jack connection. TV or radio transmission antennu nearby.	Turniable and spraker systems too close together. Floor is unstable and vibrates easily.	Stylus pressura too weak. Dust or dirt on stylus. Cartridge defective.	MC cartridge being used.	Balleries dead. Remote control unit too far from receiver. Obstatele between receiver and remote control unit	
L	•	• • • • • •	• •	• • •	•	•	٠	• • •	• •		•	• • •	••
Symploni	MFD not fit and sound not produced when power switch set to on.	MFD it but sound not produced.	-PROTECT:- display appears multi- function display.	Sound produced only from one channel.	Positions of instruments reversed during stored playback.	Sound seems distorted.	Personal memory function does not work.	Humming noise produced when record is playing.	Howling noise produced when volume is high.	Sound is distorted.	Volume is weak.	Receiver does not operate properly when remote control unit is used.	
	,201	to the CD, reco	when listening	ensise sm ensises	MA bue	5 ,29	der		biopar grilysig r	Mhe		e control	Hemot Jinu

15 LAST FUNCTION MEMORY

This receiver is equipped with a last function memory which stores the input and output setting conditions as they were immediately
before the power is switched off.
 This function eliminates the need to perform complicated resettings when the power is switched on
 This receiver is also equipped with a back-up memory. This function provides approximately one week of memory storage with the
power cord disconnected.

16 SPECIFICATIONS

Audio Section Rated output: Rated output: All properties shown are Gon'y for the power Application of the state of the state output (Each line input (Maximum output: Gond'y for the power input (Each line i
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^{*} For purposes of improvement, specifications and design are subject to change without notice.

■ Using the Personal Memory

Surround mode settings and the input function can be stored at personal memory buttons "1" and "2", then recalled directly from any surround mode simply by pressing button "1" or "2".

2. Press the personal memory button. Cacong
--

O [Fit asses = 41] 000 000

> 0 0

NOTE:

• the memory setting mode is set for 6 seconds. If any button other than personal memory button "1" or "2" is pressed, the memory setting mode is cancelled.

2 Recalling the personal memory

Press the personal memory button ("1" or "2") at which the desired setting was stored.	- \bigc\forall \cdot \cd	Remote control unit	 The surround mode and input function switch automatically.
ısi .			φ.

- Personal memory buttons '1' and "2' will not function during the tape monitor mode.

 Presonal memory buttons '1' and "2' will not function during the same as the mode selected with the surround mode button. Thus, if the parameters of the surround mode which was stored in the memory are cleared, when the mode is recalled it is set to the initial values.

 Upon shipment from the factory, the "CDUBY PRO LOSIC" mode is stored at personal memory '1', the "HALL" mode at personal memory '2'. The input function is set to VDP/PD ISS for both "1' and "2".

 On only press personal memory buttons '1' or '2' buttons during recording on the cassette deck.

■ Operations Possible in the Various Surround Modes

The following is a list of the buttons and functions which can be operated during the different surround modes. Figures in parentheses inoficate adjustment ranges.

		OUTPUT	OUTPUT CENTER LEVEL REAR LEVEL	REAR LEVEL	CENTER	3CH 10GIC	TEST	DELAY TIME
RVPACC		0	×	×	□	×	×	×
	NORMAL	0	O (0~-24dB)	O (0~-24dB) O (0~-24dB)	0	0	0	O (15~30ms)
DISIO LOGIC	PHANTOM	0	×	O (0~-24dB)	0	×	0	O (15~30ms)
	WIDE	c	O (0~-24dB)	O (0~-24d8)	0	0	0	O (15~30ns)
	NORMAL	0	O (0~-24dB)	×	0	0	0	×
DOLBY 3CH LOGIC	WIDE	0	O (0~-24dB)	×	0	0	0	×
HAII		0	×	O (0~-24dB)	. 4	×	×	O (0~33ms)
CTION		0	×	O (0~-24dB)	-1	×	×	O (0~33ms)
Cicio		1			-			O C. Caramana on the Color of t

Switches to the Dolby Pro 13CH1 Logic for any modes other than Dolby Pro (3CH1 Logic. The bused in the context and care channels can be adjusted by 2 dB step. The dealy unic can be set by 1.5 ms step.

The sound may be distorted for some sources if the rear level is raised during surround playback.
 If this happens, lower the rear level.

13 INITIALIZATION OF THE MICROPROCESSOR

When the indication of the MFD display is not normal or when the operation of the unit does not shows the reasonable result, the initialization of the microprocessor is required by the following

-3,5

procedure.

1. Switch off the unit and remove the AC power cord from the.

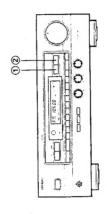
wall oullet. Hold the following 2 buttons of the main unit at the same time Hold the following 2 buttons of the main unit at the same time (as illustrated in the diagram below. ⑤ AUDIO FUNCTION button) and plug the power cord into the outlet.

3. Check that the entire MFD display is flashing with an interval of about 1 sections, and reases your dinges from the 2 buttons.
4. Switch on the unit and the microprocessor will be initialized. The input function is set to tuner with the bypass mode automatically.

NOTE:

• When the unit does not show the result of above 3 not 4, repeat the procedure from 1 again.

• When the microprocessor is initialized, all settings you have made are reset to the factory presettings.



Initial parameter values for the different modes

		CFNTER	REAR	CENTER	3CH	DELAY
	DUTPUT	LEVEL	LEVEL	MODE	LOGIC	TIME
BYPASS	NO.	1	1	1	1	1
DOLBY PRO LOGIC	NO	-12dB	-12dB	NORMAL	OFF	21msec
HALL	NO	1	-12dB	1	1	21msec
STUDIO	No	1	-12dB	1	ı	21msec

TUNER INPUT FUNCTION
 Reception band
 Reception mode
 Reception frequency: 8

AUTO 87.5MHz (for North American models) 87.50MHz (for multi-voltage models)

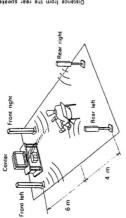
INPUT : VDP/DBS
SUBROUND MODE : DOLBY PROLOGIC
PERSONAL MEMORY 2 : VDP/DBS PERSONAL MEMORY 1

VDP/DBS HALL SURROUND MODE

Setting the delay time

The optimum delay time will differ depending on the listening position. Referring to the chart art infth, set the optimum delay time for your room's space and seating position. For example, when the distance from the front speakers to the listening position is 6 m and that from the rear speakers to the listening position is 6 m and that from the rear speakers to the listening position is 6 m, the optimum delay time will be 21 ms. The variable range of the delay time differs depending on the

mode. For details about the variable range, see Page 25.



Listening position and optimum delay time for playback with Dolby Pro Logic surround (ms) Ξ 12.0 10.5 9.0 Distance from the front speakers to the listening position 1.5 1.5 3.0 4.5 O Suitable
A Possible
X Impossible Distance from the reer speakers to the listening position 2.5 3.0 4.5 6.0 7.5 9.0 5.1 [m] 0.Sr 8.01

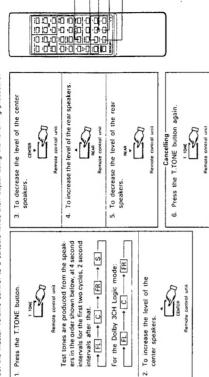
Remote control unit j. [Remote control unit

To decrease the delay time 1. To increase the delay Main unit 2

Once the delay time is set, there is no need to readjust it unless you change the speaker system or the listening position.
 It is available to memorize the adjusted values of delay time and rear (center) level for each surround mode.

Speaker volume adjustment and Dolby Pro Logic mode

To obtain the maximum surround effect, use the test tones to adjust the volume and balance of the speakers for the best balance for the listening position and so that the sound from all the speakers is heard at the same level. Set the master volume control to a suitable level, then adjust using the following procedure.



The test tone will not move on to the next channel when it is being emitted from the center channel and the level of the conter speakers is being adjusted, or when it is being emitted from the rear channel and the level of the rear channel and the level of the rear channel approximately two seconds after the level key has been released.

■ Other Surround Modes HALL mode/STUDIO mode

DOLBY PRO LOGIC STUDIO 1. Set the HALL mode/STUDIO mode.

3. Adjust the volume. Main unit

2. Play the desired software.

Adjust the level of the center and rear channels. Adjust the levels according to the source, using the Dolby Pro Logic settings as reference.

the

000

5. Adjust the delay time as desired.

♣ Continued

12 SURROUND PLAYBACK

■ SURROUND modes

The surround modes are as follows:

L	-	Dolby Pro Logic	Use this when playing program sources recorded in Dolby Surround or Dolby stereo.
	2	HALL	Use this sotting to create the atmosphere of a concert hall. There will be no output from the center speaker.
	8	STUDIO	Use this setting to create the atmosphere of watching a live program in a studio. There will be no output from the center speaker.

- These effects may not be very pronounced for some sources.
 To adjust the speaker balance for the different surround modes, first adjust for the Dolby Pro Logic Surround mode as explained on page 22, then use the position of the center level and rear level controls at this time as a guide to adjust the balance for that surround mode.

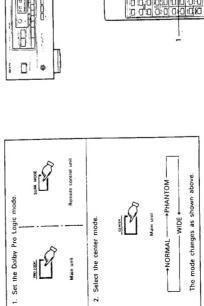
Manufactured under ticense from Dolby Laboratories Licensing Corporation. Additionally licensed under one or more of the following patents: U.S. number 3.959.590: Canadian numbers 1,004,603 and 1,037,877. Edbby. "For Logic." and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.



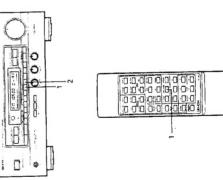
■ Using Dolby Pro Logic Surround

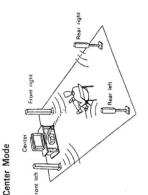
Speaker disposition and the Dolby Pro Logic Center mode

Ideally, center speakers should be used when playing sources in Dolby Pro Logic Surround. Select the center mode according to your speaker system.



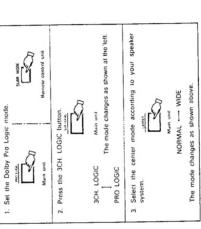
Main unit





Dolby 3CH. Logic (three-channel logic mode)

Setect this made when not using rear speakers.



3CH. LOGIC MODE



3CH. LOGIC mode

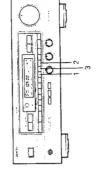
Use this mode when rear channel speakers are not used. The rear channel information is reproduced by the front speakers.

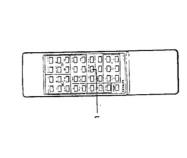
This mode is suited for an arrangement in which the center channed speaker is smaller than the left and right speakers. Signals below 100 Hz which have almost no effect on directional orientation are distributed to the left and right channels, whereas the center channel output signals greater than 100 Hz. As a result, the base of the first and right channels increases the apparent deepness of the sound.

HANTOM mode

Use this mode when center channel speaker is not used. A directional emphasis circuit provides signal reproduction which is electricistly oriented to the center and this provides an exciting sound field for your enjoyment.

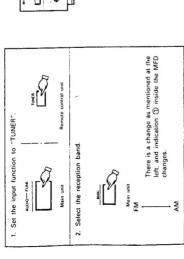
WIDE mode is suited for an arrangement in which the center This mode is suited for an arrangement in which and right channel speaker is of the same grade as the left and right speakers. The entire sound band from low region to high is output to the center channel to provide an exciting sound field for your enjoyment.

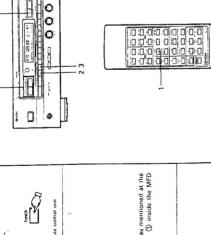




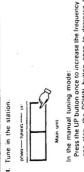
11 LISTENING TO THE RADIO







① inside the MFD				The mode switches as shown at the left. When the auto mode is set, "AUTO" lights on the MFD @.		tuning, the manual		
left, and indication ① inside the MFD changes.	3. Select the tuning mode.	3 [Main unit AUTO	The mode switches as si When the auto mode lights on the MFD @.	MANUAL	Set the auto mode for automatic tuning, the manual mode for manual tuning.	4. Tune in the station.	DOWN — TUNKS —— (4)



EH 16 AB Deligoner Supported

KH2 MH2

105.00

Σ_

MFD display

Θ

TUNED STERED AUTO V.SELECT

In the manual tuning mode:
Press the UP button once to increase the frequency by one step. The DOWN button once to decrease the frequency by one step.
The frequency dragges continuously when the buttons are held in.
The TUNED indicator ® lights on the MFD when a station is tuned in.
In the auto tuning mode:
When the UP or DOWN button is pressed, automatic searching begins, and searching stops when a station is tuned in.

NOTES:

• When in the auto tuning mode on the FM band, the "STEREO" indicator @ lights on the MFD when a sterco broadcast is tuned in. At open frequencies, the noise is muted and the "TUMED" @ and "STEREO" @ indicators turn off.

• When the manual tuning mode is set, FM stereo broadcasts are received in monaural and the "STEREO" indicator @ turns off.

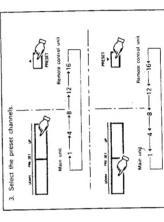
uning" to tune in a station.	vutton. The "CH" ©indicator on the MFD flashes.		NESSEL STATES	Remote control unid	MESET.	Remote control unit
1. Follow steps 1 to 4 under "Tuning" to tune in a station.	2. Press the MEMORY button.	3. Select the preset channels	The state of the s	Main unit	9 17 14 27	Main unit

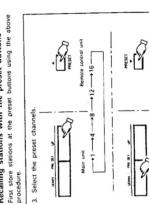
The preset memory standby mode is set for 10 seconds when the MEMORY button is preset memory standby mode is cancelled if any button.

The preset memory standby mode is cancelled if any button other than preset buttons, the MEMORY button is pressed

 Press the MEMORY button that you want to store to memory. -14 4 -8 4 -12 4 -164-

■ Recalling stations with the preset buttons First store stations at the preset buttons using the above procedure.



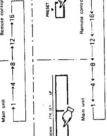


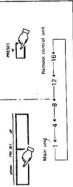




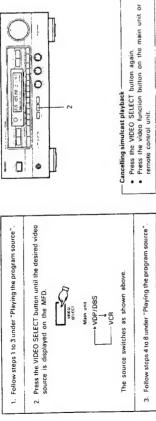
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2,4









Using the muting function
Use this to turn off the audio output temporarily.

The STANDBY LED flashes when the muting function is set. This function can only be set from the remote control unit. Press the MUTING button again. The muting function is cancelled. 1. Press the MUTING button. MUTAK M

1,2-

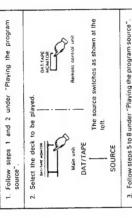
9 TAPE MONITOR FUNCTION

Use this function to switch between the DAT or tape deck and the input (source) selected with the audio or video function buttons. ■ When playing a DAT or tape deck

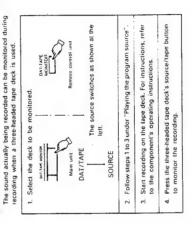
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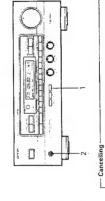


Monitoring the recording on a three-headed tape deck 3. Follow steps 5 to 8 under "Playing the program source"



NOTE:

Also refer to the three-headed tape deck's operating instructions.



"H/P ONLY" appears on the MFD. Main onit 1. Press the OUTPUT button.

The sound from the speakers can be turned off using the OUTPUT button to listen to the sound over the headphones only, for

example at night.

The recording source switches if the audio function, video function, personal memory "1" or "2" or tuner preset buttons are pressed during recording. Do not press these buttons during recording.

Start recording on the tape or video deck. For instructions, refer to the component's operating instructions.

1. Follow steps 1 to 3 under "Playing the program source"

(recording the source currently being monitored)

■ Recording the program source

8 RECORDING

10 USING HEADPHONES

2. Insert the headphones' plug into the headphones' jack.

Either press the OUTPUT button again or press the POWER button to turn off the power.

The signals of the source selected with the function selector button are output simultaneously to the DAT/TAPE and VCR REC OUT jacks. If a total of two tape and/or video decks are connected and set to the recording mode, the same source can be recorded simultaneously on both decks.

In addition, if the TAPE MONITOR (DAT/TAPE) button is pressed, the audio signals from the tape deck are output to the VCR AUDIO REC OUT jacks.

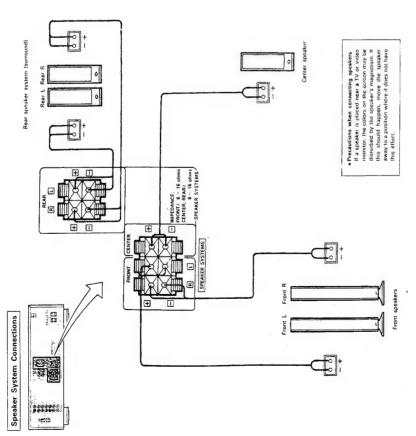
Simultaneous recording

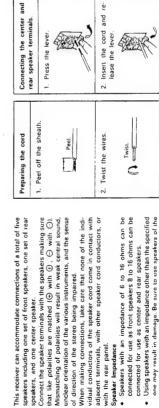
The sound may be interrupted if switches are operated during playback. This is because the muting circuit is activated to prevent switching noise.

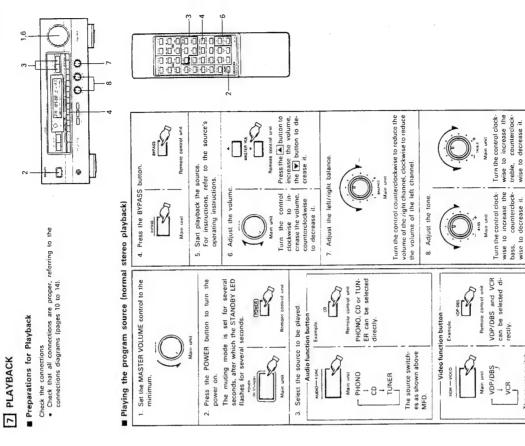
NOTE

The source switches as shown above MFD.

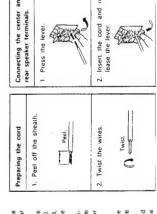
Turn the control clock-wise to increase the bass, counterclock-twise to decrease it.



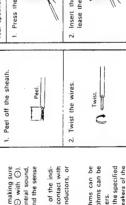


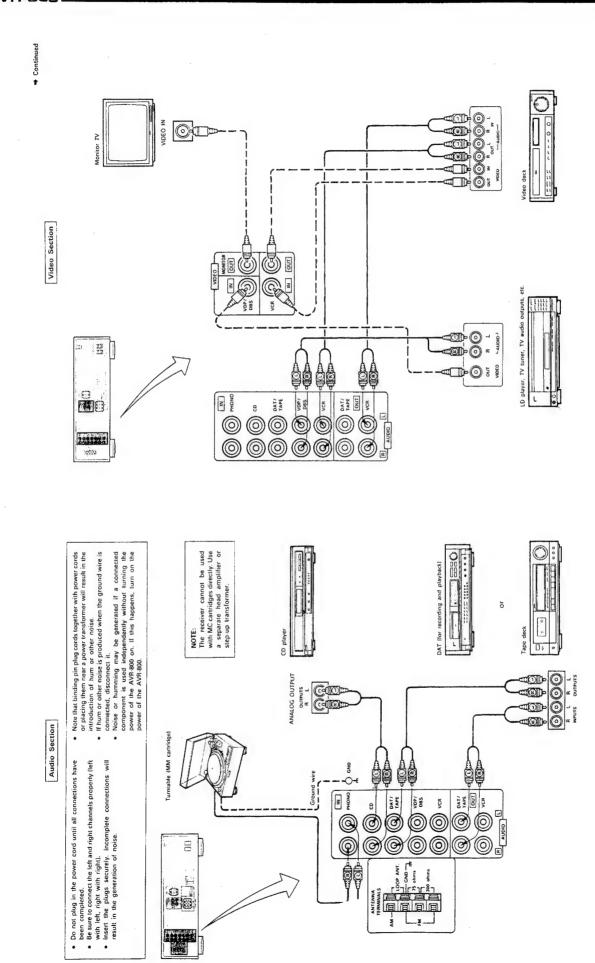


♣ Continued



Speakers with an impedance of 6 to 16 ohms can be connected for use as front speakers 8 to 16 ohms can be connected for use as center and rear speakers.
 Using speakers with an impedance other than the specified one may result in damage. Be sure to use speakers of the



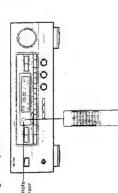


7

5 REMOTE CONTROL UNIT

Following the procedure outlined below, insert the batteries before using the remote control unit.

Range of operation of the remote control unit



Point the remate control unit at the remate control sensor as shown on the diagram at the left.

NOTES

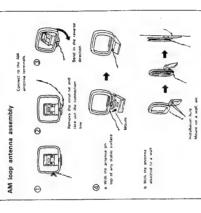
- The remote control unit can be used from a straight distance of approximately 7 meters, but this distance will shorten or operation will become difficult if there are obstacles between the remote control unit and the remote control sensor, if the remote control sensor is exposed to direct sunlight or other
- strong light, or if operated from an angle. Noon signs or blank devices emitting pulse-type noise nearby may result in maltunction, so keep the set as far away from such devices as possible.

■ Inserting the batteries

- NOTES

 Use only Rep. AA, UM:3 batteries for replacement
 Use on the polarities are correct. (See the illustration inside
 the battery comparitment.)
 Remove the batteries if the remote control transmitter will not
 be used for an extended portion of Little. If batteries leak, dispose of them immediately. Avoid touching

6 CONNECTIONS



unit, writter thousants another appropriate and blocked, it is best for install no undoor AM anterna.

• This croziner has a full backup system. When the power is turned on, the IMPUT SELECTOR buttons are set to the least mode set before the power was furned off.

• When using this crosswort in close proprietty to video equipment ITV, VCR, VDP, etc.), nose may be generated in AM brondcasts. To avoid this keep the generated in AM brondcasts. To avoid this keep the previously of the power is the away from other video components as possible. If the noise is not reduced turn off the power of the dideocrafts. 8 0 0 (O)

DAT/

(1) 0

(a)

0

(D)

Most to CATY system installer:
This reminder is provided to call the CATY system installer's attention to Article 820-do the NEC which provides guidanter to propure grounding and, in particular, specifies that the cathe ground shall be connected to the ground system of the building as dides to the point of the building as dides to the point of table entry as practical.

75 Ohim ANTENNA FM OUTDOOR ANTENNA FEEDER FM INDOOR ANTENNA (An Accessory) 300 ohm ANTENNA 300 ohms . R AUDIO AM OUTDOOR ANTENNA AM LOOP ANTENNA

Connecting the antenna terminals

ensures stable reception, due to environment changes. In such esses, the RM Type antenna should only be used temporarily units an outdoor PM antenna has been installed. When connecting an outdoor PM antenna has been installed. When tender as outdoor PM antenna has been installed. So the course of the content of the public and the public and the public and the public and you will not be able to active the high sound quality the built-in tuner is capable of

Assemble the included AM loop antenna as shown in the diagram, then place it in a position where reception is good, in some cases reception is better if the polarities are inverted. AM broadcasts will not be

AM ANTENNA

tion. Where broadcast stations are distant and only received well if the loop antenna is not connected of it is connected but near a metal part.
Attach the loop antenna even when using an outdoo AM antenna.

Adjust the loop antenna to obtain optimum

The supplied T-type indoor FM antenna (300 ohms) can be used inside wooden houses for receiving local FM stations and other strong FM signals. Stretch out the ends of the antenna and mount the antenna on

ANTENNA INSTALLATION

the wall or ceiling where optimum reception achieved. FM T-type antennas may not consistent

the leaked material or letting it come in contact with clothing. etc. Clean the battery compartment thoroughly before install-

Continued

Open the bottom cover of the remate control unit and remove the battery cover.

ing new batteries.
When replacing the batteries, always replace both batteries with new ones.

Insert the two R6P/AA batteries, matching the \oplus and \ominus marks on the batteries with those in the case. Close the bottom cover until it clicks shut.

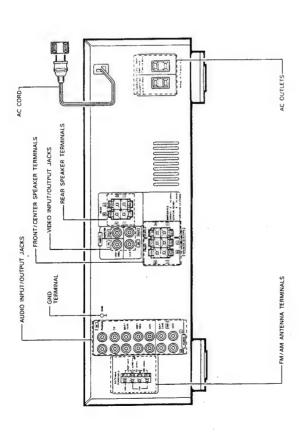
■ System codes

The system codes for Denon tape decks and CD players are set in this remote control unit.



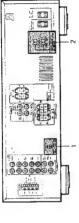
CD system buttons a Ponon remote controllable CD with these buttons. a Denon remote controllable CD player can be controlled clinectly. For details, refer to the CD player's operating instructions. Note that a operation may not be possible for some models.

4 NAMES OF PARTS - 2 (Rear Panel)



- Always turn off the power of the various components when making connections. Also refer to the operating instructions for the other
 components.
 Do not plug in the power cord until all connections are completed.

■ MULTI-VOLTAGE MODEL ONLY Make the following settings before connecting the components.



1. Setting the frequency step

Set the FREQUENCY STEP switch as described below.

• In the U.S.A. and Canada – set the switch to 100 kHz / 10 kHz side.

side.
With this setting, the frequency varies in 100 kHz steps in the range of 875 to 1080 MHz [FM] and in 10 kHz steps in 520 to 1710 kHz (AM).

Elsewhere – set the switch to 50 kHz / 9 kHz side.
With this setting, the frequency varies in 50 kHz steps in the
range of 875 to 108.0 MHz (FM) and in 9 kHz steps in 522 to
1611 kHz (AM).

plugged. Plug in the power cord securely after switching the Only switch the frequency when the power cord is unThe customer can set the VOLTAGE SELECTORS on the back panel for appropriate line voltage by using a screwdriver.

On not use excessive force in setting the VOLTAGE SELECTOR KNOB — you may damage it.

If the VOLTAGE SELECTOR KNOB does not turn smoothly, contact your store of purchase.

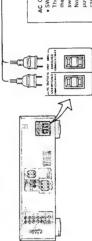
Be sure to set both voltage selectors to same position.

■ AC OUTLETS

CAUTION ADJUST THE BOTH SCLECTORS TO THE LINE VOCTAGE

PER PIN

2. Setting the line voltage



Connecting the AC Outlets

AC Quiets

SWITCHED (lotal capacity - 120W (1A))
The power to this outlet is turned on and off in conjunction with the power to this outlet is furned on and off in conjunction with the Power Switched between on and standby from the emote control unit. No power is supplied from these outlets when the AVR-800's power is at standby Never connect equipment whose total capacity is above 200W (1A).

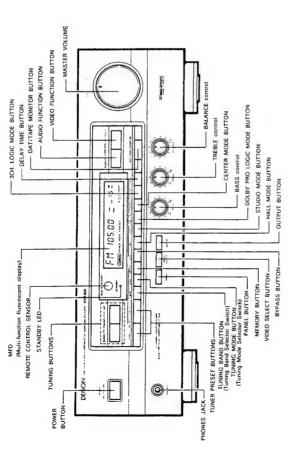
CHARACTER (1044 capacity - 240W (2A).

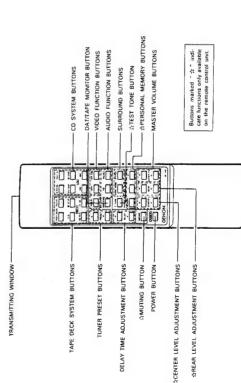
Power is supplied from this outlet contactable, regardless of whither or not the AVR-800's power is on. Never connect equipment whose total capacity is above 240W (2A).

Only use the AC outlets for audio equipment. Never use them for hair driers, TVs or other electrical appliances.

ω

2 NAMES OF PARTS – 1 (Front Panel and Remote Control Unit)

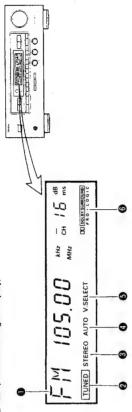




3 MULTI FUNCTION DISPLAY (MFD)

The MFD indicates the operating modes when operations are performed and when PANEL button is pressed.

■ FLD (Fluorescent Light Display)



MULTI FUNCTION DISPLAY

AUTO TUNING (AUTO TUNING Indicator)This indicator lights when the auto funing mode is selected by pressing the TUNING MODE button.

This indicator lights when the video monitor output is fixed in the video select mode.

U. SELECT (VIDEO SELECT Indicator)

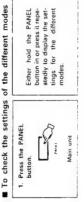
DOLBY SURROUND Indicator
This indicator lights when DOLBY PRO LOGIC, 3CH, LOGIC
are selected.

Normally the reception frequency is displayed when the function is set to tunet, and the surround mode is displayed when the function is set to other positions. The display also indicates various other information according to the buttons 0

② TUNED (TUNED indicator)
This indicator lights when broadcast signals are received. STEREO (Stereo Indicator)

stereo broadcast is received.

The STEREO indicator will automatically light up when a



■ FLD OFF

Turning the FLD off.

The FLD display changes cominuously and finally lums off Mow when a button is pressed, the related display appears for a few seconds then turns off automatically. 1. Press and hold in the PANEL button.

2. Turning the FLD back on.

Press the PANEL button once again.

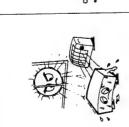
000 O Fr. 155 00 11 0

We greatly appreciate your purchase of the AVR-800.
To be a starting of the maniform about a starting of all the features the AVR-800 has to offer, read these instructions carefully and use the set properly. Be sure to keep this manual for future reference should any questions or problems arise.

Check that the following parts are included in addition to the main unit:

ACCESSORIES

NOTE ON USE



Be careful of high temperatures

• Do not place the set in a location where it will be exposed to direct sunlight or near a heating ap-

Caution on rack/cabinet installation

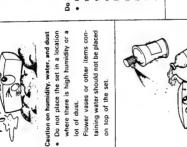
cabinet, provide a sufficiently large Avoid installing the set in a closed- When installing in a rack type rack.





Do not allow foreign matter into the

 Be especially careful of needles, hair pins, and coins getting into the set.



Care of the case

vents since they may cause a change in quality or color. Use a soft cloth when wiping away dirt Avoid the use of pesticides near the set as well as wiping the case with benzine, thinner or other soland follow the instructions carefully when using chemically treated



Care with the power cord

 When removing the plug from the receptacle, do not pull the power cord; be sure to hold the plug when removing it.



Do not open the case

tom plate of the case and inserting If some trouble arises with the · Opening the top cover or the botyour hand is dangerous. Do not open the case.

INSTALLATION PRECAUTIONS

performance of the set, remove the power plug soon and contact the store where the set was purchased or a nearby dealer.

Using this receiver or other electronic equipment containing microprocessors simulateneously with a tuner or TV may result in noise in the sound or picture.

If this should happen, take the following steps:

If this should happen, take the following steps:

If should happen, take the following steps:

If should happen, take the following steps:

If this pollower eceiver as are a possible from the tuner or TV set.

If should be already and the tuner or TV set far as possible from the receiver's power cord and connection cables.

Instructional in section of the tuner or TV set far as possible from the traceliver's power cord and connection cables.

Instructional tracelly set for the tuner or TV set far as possible from the tuner or TV set far as possible from the tuner or TV set far as possible from the tuner or TV set.



During your absence

· When not using the set for an extended period such as when taking a trip, be sure to disconnect the plug from the receptacle.



For sets with ventilation holes

Do not block the ventilation holes of the set

Blocking of the ventilation holes

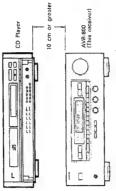
 The ventilation holes are very important for heat radiation from within the set. Care must be taken since placing an object against the holes will result in an extreme rise will lead to damage of the set.

of temperature within the set.

Using Headphones

A note on stacking

1 (6) FM indoor antenna 1



For cooling purposes, do not place another AV component directly on top of the receiver. Be sure to leave a space of at least 10 cm.

• TABLE OF CONTENTS

Introduction 2-4	[1] Listen	Listening to the Ra
Safety Precautions	12 Surro	Surround Playbac
Safety Instructions	• Surr	 Surround Mode
Note on Use	• Usin	 Using Dolby Pro
Names of Parts - 1	• Othe	Other Surround
(Front Panel and Remote Control Unit) 6	• Usir	 Using the Person
Multi Function Display (MFD) 7	• Obe	 Operations Pos
Names of Parts - 2 (Rear Panel)		Surround Mode
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Connections11~14		Troubleshooting
Playback15, 16		Last Function Mer
Recording	le Speci	Specifications
Tape Monitor Function	DENONSE	DENON SERVICE NET
Using Headphones 17		

back .	11 Listening to the Listening to the Surround May e-Surround May e-Using Dolby (-) Operations Surround May Surround May Toubleshooti Surround May Toubleshooti Surround May Toubleshooti Surround May Surround May	[1] Listening to the Radio	Surround Playback20~25	Surround Modes	 Using Dolby Pro Logic Surround	Other Surround Modes	• Using the Personal Memory	 Operations Possible in the Various 	Surround Modes 25	Initialization of the Microprocessor	Troubleshooting26	Last Function Memory	Specifications	DENON SERVICE NETWORK
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m

SAFETY PRECAUTIONS



CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK), NO USER SERVICE-ABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous visinges" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Warning: To reduce the risk of fire or electric shock, do not expose this Appliance to rain or moisture.

AUTION

TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLA-RIZED) PULG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES. CAN BE FULLY IN-SERTED TO PREVENT BLADE EXPOSURE.

ATTENTION

POUR PREVENIR LES CHOCS ELECTROLUCES NE PAS UTLUSER
CETTE FICHE POLARISEE AVEC UN PROLONGATEIR UNE
PRISE DE COUNANT OU UNE AUTRE SORTIE DE COURANT.
SAUF SI LES LAMARE SEUVENT EFTER INSEREES A FOND SANS
EN LANSSER AUCUNE PARTIE A DECOUVERT.

SAFETY INSTRUCTIONS

- Read Instructions All the safety and operating instructions should be read before the appliance is operated.
- Retain Instructions The safety and operating instructions should be retained for future reference.
- Heed Warnings All warnings on the appliance and in the operating instructions should be adhered to.
- Fallow Instructions All operating and use instructions should be followed.

4

- Water and Moisture The appliance should not be used near water for example, near a bathub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, and the like.
- Carts and Stands The appliance should be used only with a cart or stand that is recommended by the manufacturer.

6A. An appliance and cart combination should be moved with care. Ouick stops, excessive force, and uneven



surfaces may cause the appliance and cart combination to overturn. Wall or Cailing Mainting – The appliance should be

- Wall or Ceiling Mounting The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
 - Ventilation The appliance should be situated so that is location or position does not interfere with its proper ventilation. For example, the appliance subold not be situated on a bed, sold, rug, or similar surface that may block the ventilation openings: or placed in a built-in installation, such as a bookcase or cabinet that may impect the flow of air through the ventilation openings.
- Heat The appliance should be situated away from heat sources such as radiators, heat registers, stowes, or other appliances (including amplifiers) that produce heat.
- 10. Power Sources The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the application of the applications of the applications of the applications or the applications of th
- Grounding or Polarization Precautions should be taken so that the grounding or polarization means of an appliance is not defeated.

Ξ

- 12. Power-Cord Protection Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
- Cleaning The appliance should be cleaned only as recommended by the manufacturer.

14.

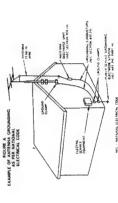
- Power Lines An outdoor antenna should be located away from power lines.
- 16. Outdoor Antenna Grounding If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code. ANSI/NEA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna-discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrodes. See Figure A.
- 17. Nonuse Periods The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

Object and Liquid Entry – Care should be taken so that objects do not fall and liquids are not spilled into

- the enclosure through openings.

 19. Damage Requiring Service The appliance should ha carviced by origined service personnel when:
- be serviced by qualified service personnel when:

 A. The power-supply cord or the plug has been damaged; or
- B. Objects have fallen, or liquid has been spilled into the appliance; or
 - C. The appliance has been exposed to rain; or D. The appliance does not appear to operate normal-
- ly or exhibits a marked change in performance; or E. The appliance has been dropped, or the enclosure damaged.
- Servicing The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.



(Pannello posteriore) Panneau arrière) (Rear Panel) (Rückseite)

(Panel trasero) (Achterpaneel) (Bakpanelen) 11 0

AUDIO INPUT/OUTPUT JACKS FRONT/CENTER SPEAKER TERMINALS VIDEO INPUT/OUTPUT JACKS REAR SPEAKER TERMINALS FOR ENGLISH READERS

AC CORD -000000

FM/AM ANTENNA TERMINALS GND (Grounding terminal)

FÜR DEUTSCHE LESER

◆ Audio Eingangs-/Ausgangs-Buchsen (AUDIO INPUT/OUTPUT) 0

Lautsprecheranschlüsse für Vorne und Mitte (FRONT/CENTER SPEAKER) Video Eingangs-/Ausgangs-Buchsen (VIDEO INPUT/OUTPUT)

0

Anschlüsse für Hecklautsprecher (REAR SPEAKER)

0 00

UKW/MW-Antennenanschlüsse (FM/AM ANTENNA) GND (Masseanschluß)

POUR LES LECTEURS FRANCAIS

O PRISES D'ENTREE/SORTIE AUDIO

 BORNES D'ENCEINTE AVANT/CENTRALE (FRONT/CENTRE SPEAKER)
 PRISES D'ENTREE/SORTIE VIDEO (AUDIO INPUT/OUTPUT)

(REAR SPEAKER)
CORDON SECTEUR
BORNES D'ANTENNE FM/AM
(FM/AM ANTENNA)
GND (Borne de mise à la masse)

90

BORNES D'ENCEINTE ARRIERE

0

(VIDEO INPUT/OUTPUT)

9

PRESE DI INGRESSO/USCITA AUDIO TERMINALI DEGLI ALTOPARLANTI PER IL LETTORE ITALIANO

PRESE DI INGRESSO/US

TERMINALI DEGLI AI

ANTERIOR!/

PARA LECTORES DE ESPAÑOL ① CONECTORES DE ENTRADA/SALIDA DE AUDIO ② TERMINALES DE ALTAVOCES DELANTEROS/ O PRESE DI INGRESSO/USCITA VIDEO CENTRALI

O CONECTORES DE ENTRADA/SALIDA DE VIDEO

AUDIO-INVOER/-UITVOERAANSLUITINGEN VOOR NEDERLANDSTALIGE LEZERS AUDIO-INVOLATION
 AANSLUITPUNTEN
 MIDDENLUIDSPREKERS
 MIDDENLUIDSPREKERS

VOORSTE/

Ø VIDEO-INVOER/UITVOERAANSLUITINGEN

 Anslutingar for frame/mithögtalare (FRONT/CENTER SPEAKER)
 Videoingångar och -utgångar (VIDEO INPUT/OUTPUT)

TERMINALI DEGLI ALTOPARLANTI POSTERIORI CAVO CA TERMINALI DELL'ANTENNA FM/AM GND (Terminale di massa) 0000 AANSLUITPUNTEN ACHTERSTE LUIDSPREKERS 0000

TERMINALES DE ALTAVOCES TRASEROS CABLE DE ALIMENTACION DE CA TERMINALES DE ANTENA DE FM/AM GND (Terminal de conexión a tierra)

0000

NETKABEL AANSLUITPUNTEN FM/AM-ANTENNE GND (Aardingsaansluitpunt)

Anslutningar för bakre högtalare (REAR SPEAKER) Anslutningar för FM-/AM-antenn (FM/AM ANTENNA) GND (Jordpunkt) Nätsladd 00

0

Always turn off the power of the various components when making connections. Also refer to the operating

instructions for the other components.

• Do not plug in the power cord until all connections are completed.

Schalten Sie beim Vornehmen von Anschlüssen immer den Strom zu den verschiedenen Komponenten aus. Beziehen Sie sich darüberhinaus auf die Bedienungsanleitungen für die anderen Komponenten.
 Schließen Sie das Netzkabel nicht an, bevor alte anderen Anschlüsse komplett ausgeführt worden sind.

• Mettre toujours les divers appareils hors circuit lors de la réalisation des connexions. Se reporter également aux modes

d'emploi des autres appareils. • Ne pas brancher le cordon d'alimentation avant d'avoir terminé toutes les connexions.

• Spegnete sempre la corrente dei vari componenti prima di fare i collegamenti. Inoltre, fate riferimento al manuale di

ciascun componente. • Non inserite il filo di alimentazione finchè tutti i collegamenti non saranno stati fatti.

 Antes de hacer las conexiones, desconecte la alimentación a los distintos componentes. Consulte también los manuales de instrucciones de los componentos en uso.
 No conecte el cable de alimentación hasta haber finalizado todas las conexiones. • Schakel altijd de spanning van de verschillende komponenten uit wanneer u aansluitingen maakt. Raadpleeg ook de

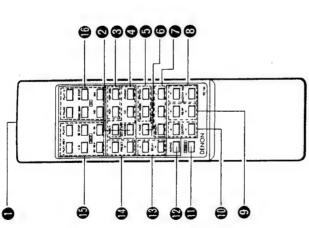
 Kom altid ihåg att stänga av alla apparater innan du ändrar nägra anslutningar. Läs respektive bruksanvisningar för gebruiksaanwijzing van de andere komponenten.

Steek het netsnoer pas in als alle aansluitingen tot stand zijn gebracht.

nārmare upplysningar. • Nāikabeln skali līpte sāttas i vāgguttaget förrān alla andra anslutningar ār klara.

Remote Control Unit) Fernbedienungsgerät) (Télécommande) (Telecomando)

(Unidad de Control Remoto) (Afstandsbediening) (Fjärrkontroll)



Übertragungsfenster (TRANSMITTING WINDOW) FÜR DEUTSCHE LESER TRANSMITTING WINDOW DAT/TAPE MONITOR BUTTON

Video-Funktionstasten (VIDEO FUNCTION) Audio-Funktionstasten (AUDIO FUNCTION) (DAT/TAPE MONITOR) 9999899

Datum/Band Überwachungstaste

Klangumgebungs-Tasten (SURROUND) &Testton-Taste (TEST TONE)

公的できないできない。 公のできないできないできないのできないのできないのできないのできないできないのできないできないできないできないできないできないできないできない。 ないできないできないできないできないできない。

☆TEST TONE BUTTON

APERSONAL MEMORY BUTTONS

MASTER VOLUME BUTTONS

AFREAR LEVEL ADJUSTMENT BUTTONS

☆CENTER LEVEL ADJUSTMENT BUTTONS

VIDEO FUNCTION BUTTONS AUDIO FUNCTION BUTTONS

SURROUND BUTTONS

公式 Stummschaltungs-Taste (MUTING) ☆Einstellungstasten für Mittelstufe (CENTER LEVEL ADJUSTMENT) (REAR LEVEL ADJUSTMENT) Netztaste (POWER)

AMUTING BUTTON
DELAY TIME ADJUSTMENT BUTTONS
TUNER PRESET BUTTONS
TAPE DECK SYSTEM BUTTONS
CD SYSTEM BUTTONS

POWER BUTTON

Tuner-Voreinstellungs-Tasten (TUNER PRESET) Systemtasten für Tape Deck (TAPE DECK SYSTEM) CD-Systemtasten (CD SYSTEM)

Buttons marked " '\text{''} indicate functions only avail-able on the remote control unit.

Einstellungstasten für Zeitverzögerung (DELAY TIME ADJUSTMENT)

Die mit " ½ " markierten Tasten zeigen Funktionen an, die nur mit Hilfe des Fernbedienungsgerätes aktiviert werden können.

FENETRE D'EMISSION TOUCHE DAT/CONTROLE DE BANDE POUR LES LECTEURS FRANCAIS

• FENETRE D'EMISSION

• TOUCHE DAT/CONTROLE DE

TOUCHES DE FONCTION VIDEO (VIDEO FUNCTION)
TOUCHES DE FONCTION AUDIO (AUDIO FUNCTION)
TOUCHES D'AMBIANCE (SURROUND)
\$\pmathrm{\pmathrm{TOUCHED}}{\pmathrm{TOUCHED}} \text{TONALITE} \text{TEST} (TONE TEST)
\$\pmathrm{\pmathrm{TOUCHED}}{\pmathrm{TOUCHED}} \text{DEMAINE} \text{PRSONNALISEE}
(PERSONNAL MEMORY) (DAT/MONITOR)

TOUCHES DE VOLUME GLOBAL (MASTER VOLUME) &TOUCHES DE REGLAGE DE NIVEAU ARRIERE (REAR LEVEL)

ATOUCHES DE REGLAGE DE NIVEAU CENTRAL (CENTER LEVEL)

FINESTRELLA DI TRASMISSIONE TASTO DELLA PIASTRA DAT/MONITORAGGIO DEL PER IL LETTORE ITALIANO FINESTRELLA DI TRASM TASTO DELLA PIASTRA NASTRO

TASTI DELLA FUNZIONE VIDEO TASTI DELLA FUNZIONE AUDIO TASTI SURROUND

ἀΤΑSTO DEL TONO DI PROVA ἀΤΑSTI DELLA MEMORIA PERSONALE TASTI DEL VOLUME PRINCIPALE άΤΑSTI DI REGOLAZIONE DEL LIVELLO POSTERIORE ἀΤΑSTI DI REGOLAZIONE DEL LIVELLO CENTRALE

VENTANILLA TRANSMISORA BOTON DAT/TAPE MONITOR

BOTONES SELECTORES DE ENTRADA DE VIDEO BOTONES SELECTORES DE ENTRADA DE AUDIO BOTONES DE SONIDO ENVOLVENTE ÉMOTON DE TONO DE PRUEBA (TEST TONE) \$\pm\$BOTONES DE MEMORIA PERSONAL PARA LECTORES DE ESPAÑOL

O VENTANILLA TRAALSMISORA

BOTON DAT/TAPE MONITOR

BOTONES SELECTORES DE E

BOTONES SELECTORES DE E

BOTONES SELECTORES DE E

BOTONES DE SONIDO ENVO

\$\pi\$BOTON BOTONES DE REALITA DE TONO

\$\pi\$BOTON BOTON BO

(PERSONAL MEMORY)

BOTONES DE VOLUMEN PRINCIPAL ÉBOTONES DE AJUSTE DE NIVEL TRASERO ÉBRAR LEVEL) ÉBOTONES DE AJUSTE DE NIVEL CENTRAL (CENTER LEVEL)

VOOR NEDERLANDSTALIGE LEZERS 00

VIDEOFUNKTIETOETSEN (VIDEO FUNCTION) AUDIOFUNKTIETOETSEN (AUDIO FUNCTION) ZENDVENSTERTJE DAT/TAPE-MEELUISTERTOETS (DAT/TAPE MONITOR)

HOOFDVOLUMETOETSEN (MASTER VOLUME) 90999 00

☆MIDDENNIVEAU-INSTELTOETSEN (CENTER LEVEL ADJUSTMENT) AACHTERNIVEAU-INSTELTOETSEN (REAR LEVEL ADJUSTMENT)

8

DAT-/däckomkopplare (DAT/TAPE MONITOR) FÖR SVENSKA LÅSARE

© Sändarfönster

© DAT-/däckomkopplare

© Videotanganter (VIDEO

© Audiotanganter (ADDIC

© SURROUND-tanganter

© TEStlontlangant (TEST)

A Tangenter för justering av den bakre nivän (REAR LEVEL ADJUSTMENT) Ljudstyrketangenter (MASTER VOLUME) användarminne 00

ATangenter för justering av mittkanalnivån (CENTER LEVEL ADJUSTMENT)

TOUCHE D'ALIMENTATION IPOWER)
À'ATOUCHE DE SOUGHINE (MUTING)
TOUCHE DE REGLAGE DE RETARD
(DELAY TIME ADJUSTMENT)
TOUCHES PREREGLAGE DE TUNER
TOUCHES DE SYSTEME DE PLATINE CASSETTE

TOUCHES DE SYSTEME CD (CD SYSTEM) (TAPE DECK SYSTEM)

Les touches marquées " \(\alpha \) indiquent des fonctions disponibles seulement sur la télécommande.

© 747ASTO DI ACCENSIONE © 247ASTO DI SILENZIAMENTO ® TASTI DI REGOLAZIONE DELLA DURATA DEL

TASTI DI PRESELEZIONE DEL SINTONIZZATORE TASTI DELLA PIASTRA A CASSETTE TASTI DEL SISTEMA CD RITARDO

Lasti che recano il marchio " $\mbox{\it M}$ " indicano funzioni che sono disponibili solo usando il telecomando.

INTERRUPTOR DE ALIMENTACION KABOTON DE SILENCAMMENTO (MUTING) BOTONES DE ALUSTE DE TIEMPO DE RETARDO BOTONES DE PRESINTONIZACION BOTONES DE MAGNETOFONO DE CASSETTES BOTONES DE REPRODUCTOR CO

Los botones marcados " $\not\!\!\!\!/ z$ " indican funciones sólo disponibles en la unidad de control remoto.

TUNER-VOORKEUZETOETSEN (TUNER PRESET)
TAPEDECK-SYSTEEMTOETSEN (TAPE DECK SYSTEM)
CD-SYSTEEMTOETSEN (CD SYSTEM) SPANNINGSTOETS (POWER)
½DEMPINGSTOETS (MUTING)
VERTRAGINGSTJD-INSTELTOETSEN
(DELAY TIME ADJUSTMENT)

De met " ☆ " gemerkte toetsen duiden funkties aan die enkel met de afstandsbediening kunnen worden gebruikt.

Strömbrytare (POWER) &Damptangent (MUTING) Tangenter för justering av tidsfördröjningen (DELAY TIME ADJUSTIMENT) 99

Snabbvalstangenter (TUNER PRESET) Systemtangenter för kassettdäcket (TAPE DECK SYSTEM) CD-tangenter (CD SYSTEM)

(PERSONAL

Tangenter märkta " 🌣 " motsvarar funktioner som bara kan utnyttjas via fjärrkontrollen.

We greatly appreciate your purchase of the AVR-800.
 Jo be sure you take maximum advantage of all the features the AVR-800 has to offer, read these instructions carefully and use the sure to keep this manual for future reference aboutd any questions or problems arise.

• ACCESSORIES

Check that the following parts are included in addition to the main unit:

6 FM indoor antenna 2 S AM loop antenna A Light

INSTALLATION PRECAUTIONS

Using this receiver or other electronic equipment containing microprocessors simultaneously with a tuner or TV may result in

- nices in the sound or picture.

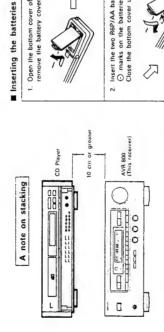
 If this should happen, take the following steps:

 If this should happen, take the following steps:

 Keep the alternal infex of the function of Y8 at as a possible from the tunet or YV set.

 Keep the alternal infex of the function of Y8 at as a possible from the receiver's power cord and connection cables.

 This problem is especially frequent when using indoor antennas and 75 oftm caaxiel cables.



For cooling purposes, do not place another AV component directly on top of the receiver. Be sure to leave a space of at least 10 cm.

• TABLE OF CONTENTS

2 9, 10 9 2 Multi Function Display (MFD) Tape Monitor Function Remote Control Unit Remote Control Unit Using Headphones Names of Parts Note on Use Connections Front Panel [1] Introduction Rear Panel Recording Playback [2]

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	Surround Modes 12
	Using Dolby Pro Logic Surround
	Other Surround Modes
	Using the Personal Memory
	. Operations Possible in the Various
	Surround Modes
[2]	Initialization of the Microprocessor
=	[13] Troubleshooting 15
=	[4] Last Function Memory
15	[15] Specifications 15
DE.	DENON SERVICE NETWORK

Point the remote control unit at the remote control sensor as shown on the diagram at the left.

Following the procedure outlined below, insert the batteries before using the remote control unit.

■ Range of operation of the remote control unit

000000

Φ

10050111

3 REMOTE CONTROL UNIT

The remote control unit can be used from a straight distance of approximately 7 meters, but this distance will shorten or operation will become difficult if there are obstacles between the remote control unit and the remote control sensor, if the remote control tensor is exposed to direct sunlight or other strong light, or if operated from an angle.

Near signs or other devices emitting pulse-type noise nearby may result in malfunction, so keep the set as far away from such devices as possible.

1. Open the bottom cover of the remote control unit and

remove the battery cover

- Use only R6P, AA, UM-3 batteries for replacement.
 Be sure the polarities are correct (See the illustration inside the battery comparaturent.)
 Remove the batteries if the remote control transmitter will not be used for an extended period of time.
 It batteries feak, dispose of them immediately. Avoid touching the leaked material or letting it come in contact with clothing, etc. Clean the battery compartment thoroughly before install
 - ing new batteries. When replacing the batteries, always replace both batteries with new ones.

Insert the two R6P/AA batteries, matching the \oplus and \ominus marks on the batteries with those in the case. Close the bottom cover until it clicks shut.

System codes

The system codes for Denon tape decks and CD players are set in this remote control unit.



CD system buttons With these busines, a Benon remate controllable CD allayer can be controlled directly. For details, refer to the CD player's operating instructions. Note that operation may not be possible for some models. H44 and PH: Auto search (reverse and forward)

Leverse and forward)

CD changer, disc skip ▶: Play
■: Pause
■: Stop

Stop

4. Reward

4. Resultaneard

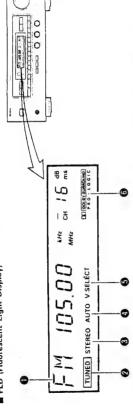
A/B Switching between dects A and B for double dects

→ Continued

4 MULTI FUNCTION DISPLAY (MFD)

The MFD indicates the operating modes when operations are performed and when PANEL button is pressed.

FLD (Fluorescent Light Display)



MULTI FUNCTION DISPLAY 0

AUTO TUNING (AUTO TUNING Indicator)This indicator lights when the auto tuning mode is selected by pressing the TUNING MODE button.

monitor output is fixed

V. SELECT (VIDEO SELECT Indicator)

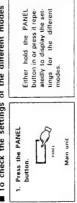
This indicator lights when the video in the video select mode.

0

Normally the reception frequency is displayed when the function is set to tuner, and the surround mode is displayed when the function is set to other positions. The display also imidiales various other information according to the buttons

The STEREO indicator will automatically light up when a stereo broadcast is received. TUNED (TUNED indicator)
This indicator lights when broadcast signals are received S STEREO (Stereo Indicator)

■ To check the settings of the different modes



■ FLD OFF

Turning the FLD off.

The FLD display changes continuously and finally turns off. Now when a button is prussed, the related display appears for a few seconds then turns off 1. Press and hold in the PANEL button.

O Fr 105 500 - 11

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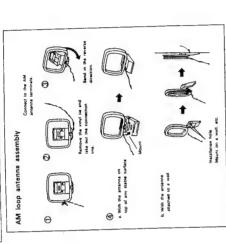
2. Turning the FLD back on.

Press the PANEL button once again.

5 CONNECTIONS

Connecting the antenna terminals

ANTENNA INSTALLATION

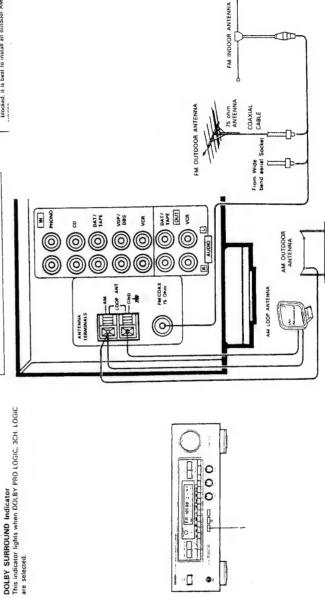


* In Authorised.

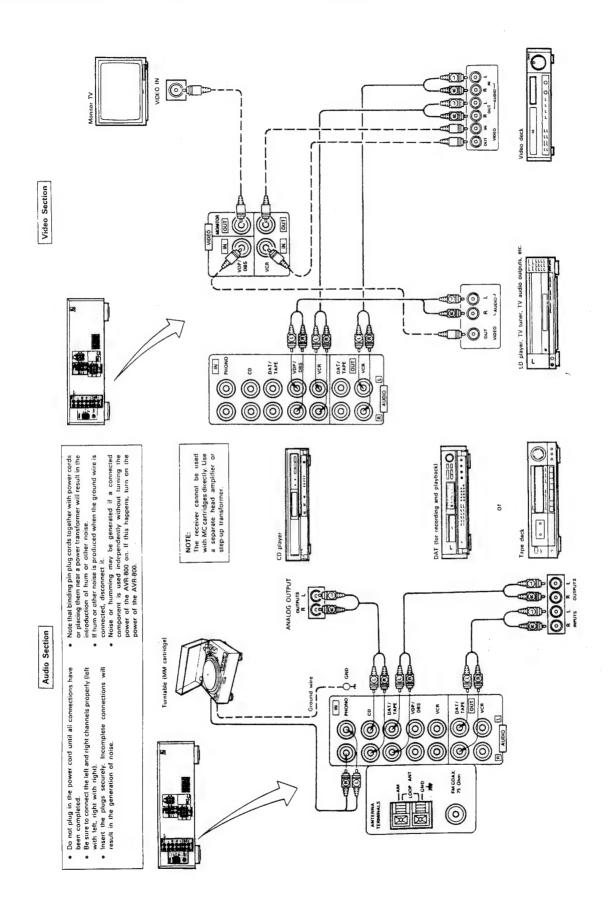
The supplied I type indoor FM antenna (300 ohms) can be used inside wooden house for receiving occal file actions and only for the supplied in the ends of the antenna and mount the antenna on the wall or ceiting where optimum reception is achieved FM Type antenna requirement reception is achieved FM Type antenna and only one considerable inception, the wall or ceiting where optimum reception is achieved FM Type antenna changes. In such cases, the FM Type antenna flunges. In such cases, the FM Type antenna should only be used temporarily with an outdoor FM antenna has been maralled.

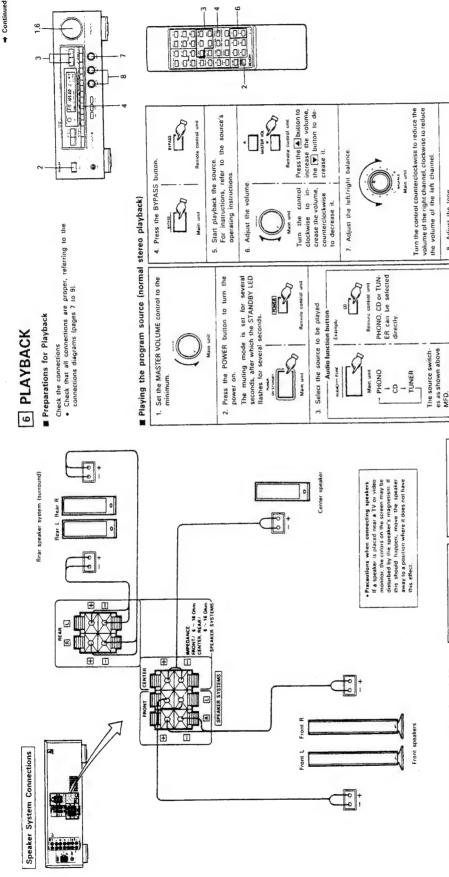
when can see year undead the anema, the use of the countries of the case of the case of the countries of the case of the cas Assemble the included AM loop andmonta as shown in the dayarm, then dayarm, then dayarm, then dayarm, then dayarm, then dayarm, then dayarm seems to the partition where the population is good in some cases reception is better if the populations are invested. AM broadcasts with not be received well if the loop andmon is not connected in it is a connected that near a noted partition and Alach the loop andmon even when using an outdoor.

Adjust the loop antenna to obtain optimum reception. Where brandcast stations are obtained and only weak signals are received, or where signals are blocked, it is best to install an outdoor AM antenna.









Connecting the center and rear speaker terminals. 1. Peel off the sheath Preparing the cord Twist the wires. Peel When making connections, take care that none of the individual conductors of the speaker cord come in contact with adjacent terminals, with other speaker cord conductors, or This receiver can accommodate connections of a total of five speakers including one set of front speakers, one set of rear Connect the speaker terminals with the speakers making sure that like polarities are matched (Θ with Θ , Θ with Θ). Mismatching of polarities will result in weak central sound, unclear orientation of the various instruments, and the sense of direction of the stereo being impaired. speakers, and one center speaker.

1. Press the lever Twist. C

2. Insert the cord and lease the lever.

The source switch-es as shown abover

The sound may be interrupted if switches are operated during playback. This is because the muting circuit is activated to prevent switching noise.

NOTE

Turn the control clockwise to increase the treble, counterclock-wise to decrease it.

Turn the control clockwise to increase the bass, counterclockwise to decrease it.

VDP/DBS and VCR can be selected di-rectly.

VDP/DBS

VCR

Main unit

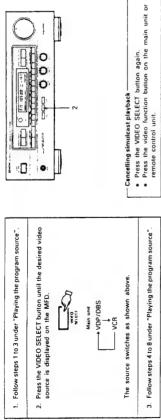
Renicte control unit

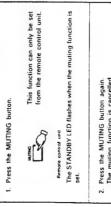
8. Adjust the tone

Video function button

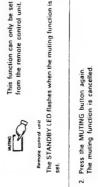
 Speakers with an impedance of 6 to 16 ohms can be connected for use as front speakers 8 to 16 ohms can be connected for use as center and rear speakers.
 Using speakers with an impedance other than the specified one may result in damage. Be sure to use speakers of the specified impedance. with the rear panel. Speaker Impedance

Simulcast playback (playing different video and audio sources simultaneously)





■ Using the muting function
Use this to turn off the audio output temporarily.



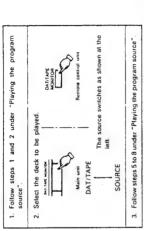
8 TAPE MONITOR FUNCTION

■ When playing a DAT or tape deck
Use this function to switch between the DAT or tape deck and
the input (source) selected with the audio or video function
buttons.

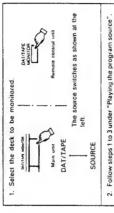
O FT 0500 : 4

1 0 , **o**r

000 000



I Monitoring the recording on a three-headed tape deck The sound actually being recorded can be monitored during recording when a three-headed tape deck is used.

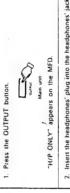


NOTE:

• Also refer to the three-headed tape deck's operating instructions.

 Start recording on the tape deck. For instructions, refer to the component's operating instructions. 4. Press the three-headed tape deck's source/tape button to monitor the recording.

example at night.



The recording source switches if the audio function, video function, personal memory "1" or "2" or tuner preset buttons are pressed during recording. Do not press these

Start recording on the tape or video deck.
 For instructions, refer to the component's operating instructions.

Simultaneous recording -

1. Follow steps 1 to 3 under "Playing the program source"

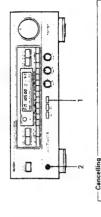
(recording the source currently being monitored)

■ Recording the program source

7 RECORDING

NOTE

buttons during recording.



2. Insert the headphones' plug into the headphones' jack.

The signals of the source selected with the function selector button are output simultaneously to the DAT/TAPE and VCR REC OUT jacks. If a total of two tape and/or video decks are connected and set to the recording mode, the same source can be recorded simultaneously on both decks.

In addition, if the TAPE MONITOR (DAT/TAPE) button is pressed, the audio signals from the tape deck are output to the VCR AUDIO REC OUT jacks.

Either press the OUTPUT button again or press the POWER button to turn off the power.

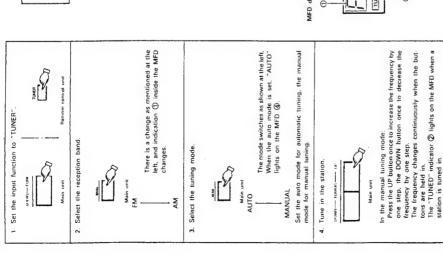
1,2-

9 USING HEADPHONES

The sound from the speakers can be turned off using the OUTPUT button to listen to the sound over the headphones only, for

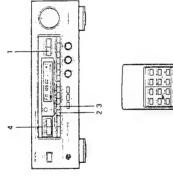
10 LISTENING TO THE RADIO





4. Press the MEMORY button that you want to store to memory.

-12 --- 164-



The "CH" (andicator on the MFD flashes.

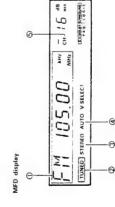
1. Follow steps 1 to 4 under "Tuning" to tune in a station.

2. Press the MEMORY button

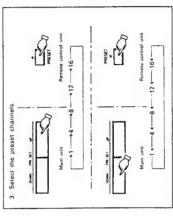
3. Select the preset channels

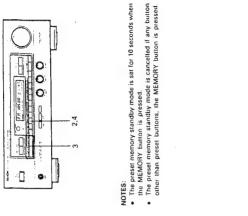
■ Storing stations at the preset buttons

2 3	





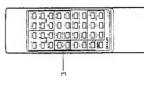




+12 --- 16 --

11

Main unit



NOTES:

In the auto tuning mode:
When the UP or DOWN button is pressed, automatic
searching begins, and searching stops when a station
is tuned in.

- When in the auto tuning mode on the FM band, the "STEREO" indicator @ lights on the MFD when a stereo broadcast is tuned in At open frequencies, the noise is musted and the "TUNED" @ and "STEREO" @ indicators turn off.
 When the manual tuning mode is set, FM stereo broadcasts are received in monaural and the "STEREO" indicator @ turns off.

channel speaker is smaller than the list and right speakers.
Signals below 100 Hz which have almost no effect un directional ordenation are distributed to the left and right channels, whereas the center channel output signals greater than 100 Hz. As a result, the bass of the firl and right channels increases the apparent deepness of the sound.

This mode is suited for an arrangement in which the center

PHANTOM mode

Use this mode when center channel speaker is not used. A directional emphasis circuit provides signal reproduction which is electrically oriented to the center and this provides an exciting sound field for your enjoyment.

This mode is suited for an arrangement in which the center channel speaker is of the same grade as the left and right speakers. The entire sound band from low region to high is output to the center channel to provide an exciting sound field for your enjoyment.

WIDE mode

11 SURROUND PLAYBACK

■ SURROUND modes

The surround modes are as follows:

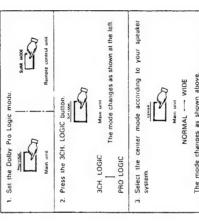
-	Dolby Pro Logic	Use this when playing program sources recorded in Dolby Surround or Dolby stereo.
2	HALL	Use this setting to create the atmosphere of a concert hall. There will be no output from the center speaker.
	STUDIO	Use this setting to create the atmosphere of watching a live program in a studio. There will be no output from the center speaker.

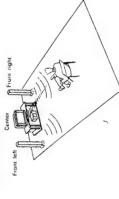
- These effects may not be very pronounced for some sources. To adjust the speaker balance for the different surround modes, first adjust for the Dolby Pro Logic Surround mode as explained on page 13, then use the position of the center level and rear level controls at this time as a guide to adjust the balance for that surround mode.

Manufactured under license from Dolby Laboratories Licensing Corporation. "Dolby" and the double-D symbol D are trademarks of Dolby Laboratories Licensing Corporation.

Dolby 3CH. Logic (three-channel logic mode)

Select the center mode according to your speaker system. The mode changes as shown at the left. The mode changes as shown above. NORMAL -- WIDE 2. Press the 3CH. LOGIC button. 1. Set the Dolby Pro Logic A PARTY OF THE PAR Main ontil 3CH, LOGIC PRO LOGIC





3CH. LOGIC mode

Center Mode

Select this mode when not using rear speakers.

Ideally, center speakers should be used when playing sources in Dotby Pro Logic Surround. Select the center mode according to your

· Speaker disposition and the Dolby Pro Logic Center mode

■ Using Dolby Pro Logic Surround

...

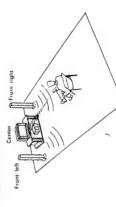
1. Set the Dolby Pro Logic mode.

speaker system.

Remote control unit

2. Select the center mode.

3CH. LOGIC MODE



The mode changes as shown above.

NORMAL ----PHANTOM

Use this mode when rear channel speakers are not used. The rear channel information is reproduced by the front speakers.

♣ Continued

· Speaker volume adjustment and Dolby Pro Logic mode

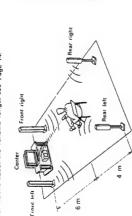
A PAR Remote control unit

1. Press the T.TONE button.

Setting the delay time

time for your room's space and sealing position. For example, when the distance from the front speakers to the listening position is 6 m and that from the rear speakers to the listening position is 6 m, the optimum delay time will be 21 ms. The variable range of the delay time differs depending on the The optimum delay time will differ depending on the listening position. Referring to the chart at right, set the optimum delay

For details about the variable range, see Page 14.

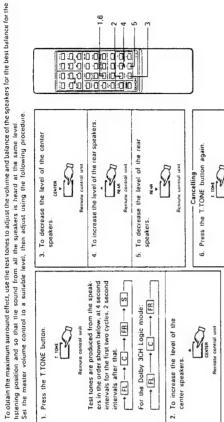


Listening position and optimum delay time for playback with Dolby Pro Logic surround (ms) Ē 10 5 12 0 8.0 Distance from the front speakers to the listening position 3.5 1.5 3.0 4.5 O Suitable
A Possible
X Invpossible 57 Distance from the rear speakers to the listening pointion of 2.5 a.0. 2.4 a.c. 2.5 a lm} 0.sr 5.0r 5.1

Remate cowral unit temote control 2. To decrease the delay time 1. To increase the delay time Main unit

0

Once the delay time is set, there is no need to readjust it unless you change the speaker system or the listening position.
 It is available to memorize the adjusted values of delay time and rear (center) level for each surround mode.



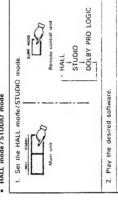
intervals after that.

2. To increase the level of the

center speakers.

• The test tone will not move on to the next channel when it is being entitled from the center channel and the (vert of the center speakers is being adjusted, or when it is being emitted from the rear channel and the level of the rear speakers is being adjusted, it only moves on to the next channel approximately two seconds after the level key has been released.

■ Other Surround Modes HALL mode / STUDIO mode



@:

0 0

0

Ö.

3. Adjust the volume Main unit

 Adjust the level of the center and rear channels.
Adjust the levels according to the source, using the
Dolby Pro Logic settings as reference. Remote control unit

5. Adjust the defay time as desired.

■ Using the Personal Memory

Surround mode settings and the input function can be stored at personal memory buttons "1" and "2", then recalled directly from any surround mode simply by pressing button "1" or "2".

[1] Storing the setting in the personal memory

1. Set the desired surround mode and input function.	2. Press the personal memory button.	e Eton	Remote control unit	(The memory setting mode is set and the indicator on the MFD flashes.)	3. Press the desired personal memory button ("1" or "2").	~

000 000

.O

Remote control unit

"M 1 (2) SET" appears on the MFD indicating that the setting has been stored.

The memory setting mode is set for 6 seconds. If any button other than personal memory button "1" or "2" is pressed, the memory setting mode is cancelled.

2 Recalling the personal memory

5. Press the personal memory button ("1" or "2") at which the desired setting was stored. Q Remote control unit ~[] -[]

The surround mode and input function switch automatically.

NOTES:

- Presonal memory buttons "1" and "2" will not function during the tape monitor mode.
 The surround mode recalled with the PERSONAL MEMORY "1" or "2" button is the same as the mode selected with the surround mode button. Thus, it he parameters of the surround mode which was stored in the memory are cleared, when the mode is recalled it is set to the initial values.
 Upon shipment from the factory, the "DOLBS PROLOGIC" mode is stored at personal memory "1", the "HALL" mode at personal memory "2". The input function is set to VDP/DBS for both "1" and "2".
 On ono press personal memory buttons "1" or "2" buttons during recording on the cassette deck.

■ Operations Possible in the Various Surround Modes

The following is a list of the buttons and functions which can be operated during the different surround modes. Figures in parentheses indicate adjustment ranges.

		OUTPUT	CENTER LEVEL	REAR LEVEL	CENTER	3CH LOGIC	TEST	DELAY TIME
BYPASS		0	×	×	. J	×	×	×
	NORMAL	0	O (0~-24dB)	O (0~-24dB)	0	0	0	O (15~30ms)
DOLBY PRO LOGIC	PHANTOM	0	×	O (024dB)	0	×	0	O (15~30ms)
-	WIDE	0	O (0~-24dB)	O (024dB)	С	0	0	O (15~30ms)
-	NORMAL	0	O (024dB)	×	0	0	0	×
DOLBY 3CH LOGIC	WIDE	0	O (0~-24dB)	×	0	0	0	×
HALL		0	×	O (024dB)	1.77	×	×	O (0~33ns)
STUDIO		0	×	O (0~-24dB)	1.77	×	×	O (0~33ms)

Switches to the Dolby Pto 19CH Logic for any modes other than Dolby Pto (3CH Logic The level of the context and rear channels can be adjusted by \hat{I} δB step. The dealy line can be set by 1.5 ms step.

The sound may be distorted for some sources if the rear level is raised during surround playback.
 If this happens, lower the rear level.

12 INITIALIZATION OF THE MICROPROCESSOR

When the indication of the MFD display is not normal or when the operation of the unit does not shows the reasonable result, the initialization of the microprocessor is required by the following

into the outlet.

procedure.

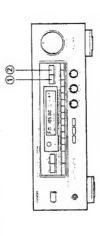
1. Switch off the unit and remove the AC power cord from the

Check that the entire MFD display is flashing with an interval of about 1 second, and release your fingers from the 2 buttons.
 Switch on the unit and the microprocessor will be initialized. The input function is set to tuner with the bypass mode.

automatically.

NOTE: • When the unit does not show the result of above 3 and 4, repeat the procedure from 1 again.

• When the mitroprocessor is initialized, all settings you have made are reset to the factory presentings.



Initial parameter values for the different modes

	OUTPUT	CENTER	REAR	CENTER	3CH	DELAY
		LEVEL	LEVEL	MODE	רטפור	IME
BYPASS	NO	1	-	ı	1	1
DOLBY PRO LOGIC	NO	-1248	-12dB	NORMAL	OFF	21msec
HALL	NO	1	-12dB	J	1	21msec
STUDIO	NO	1	-12dB	1	-	21msec

PERSONAL MEMORY 1

DOLBY PROLOGIC VDP/DBS HALL VOP/DBS SURROUND MODE

PERSONAL MEMORY 2
INPUT

SURROUND MODE

13 TROUBLESHOOTING

If a problem should arise, first check the following:

1. Are the connections correct?

2. Have you operated the amplifier according to the Operating Instructions?

3. Are the speakers, turntable a and other components operating properly?

It in receiver is not operating properly, check the tiems listed in the table below. Should the problem persist, there may be a malfunction Disconnect the power immediately and contact your stone of purchase.

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	of purchase.	
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Page	v.	01 6 01	б 1	9.7.	on cci	13, 14	01	60 ED 1	1 (1 1 1	60	199 9
Measures	Check the insertion of the power cord plug.	Connect securely. Press the OUTPUT button. Set to a suitable position Turn volume up to suitable level. Switch off MUTING.	Switch power off, connect speakers properly, then switch power back on. Turn off the set's power, then ventiate it well to cool it down. Once the set is cooled down, turn the power back on.	Connect securely. Connect securely. Adjust balance knob property.	Check left and right connections.	Set the rear level to lower level.	Press the DAT/TAPE button to set the source.	Connect securely. Connect securely. Contact your store of purchase.	Separate as much as possible. Use custions to absorb speaker vibra- intos transmitted by floor. Il turniable is not equipped with insulants, use audio insulants (commontly available).	Apply proper stylus pressure. Check stylus. Replace cartridge.	Replace with MM cartridge or use a head amplifier or step-up transformer.	More doze Remove obstacle. Remove obstacle. Press the proper button. Insert batteries properly.
Cause	Power cord not plugged in securely.	Speaker cords not securely connected. Untry bouton is off. Unproper position of the audio function button Volume control set to minimum. Wulting is on.	Speaker terminals are short-circuited. Block the ventilation holes of the set. The unit is operating at continuous high power conditions and/or inadequate ventilation.	Incomplete connection of speaker cords. Incomplete connection of input/output cords. Left/right balance is off.	Reverse connections of left and right speakers or left and right input/output cords.	Rear level is too high.	DAT/tape monitor mode set.	Ground wire of turniable not connected properly incomplete PHONO jack connection IV or radio transmission antenna nearby.	Floor is unstable and viviants easily.	Siylus pressure too weak. Dust or dirt on stylus. Cartridge defective.	MC carridge being used.	Batteries dead. Memore control unit too far from receiver. Obstacte between receiver and remote control unit. Offerent button is being pressed. rend - ends of battery inserted in reverse.
Symptom	MFD not lit and sound not produced when power switch set to on.	MFD in but sound not produced.	-PROTECT - daptay appears multi- function display	Sound produced only from one channel.	Positions of instruments reversed during stereo playback.	Sound seems distorted.	Personal memory function does not work	Humming noise produced when re- cord is playing	Hawling noise produced when volume is high.	Sound is distorted.	Volume is weak.	Receiver does not operate properly when remote control unit is used.
	1		when listening	gnishs sm roadcasts, i	n probler	отп 6 ,29	del del	1	piaying records	n94W		lostnos esontol sinu

14 LAST FUNCTION MEMORY

This receiver is equipped with a last function memory which stores the input and output setting conditions as they were immediately
before the power is switched off.
 This function eliminates the need to perform complicated resettings when the power is switched on.
 This receiver is also equipped with a back-up memory. This function provides approximately one week of memory storage with the
power cord disconnected.

15 SPECIFICATIONS

Rated output: 100 M. (All properties shown are 100 M.) (All properties sho	60 W + 60 W (8 ohms, 20 Hz – 20 kHz with 0.1% THD) CENTER (center 1ch driven) 60 W (8 ohms, 20 Hz – 20 kHz with 0.1% THD
rated output: (All properties shown are only for the power amplifer stage.) Output terminals: Line input (Each line input – FRONT SI input serailivity' (Impedance: Trequency response: Tone control range:	CENTER (center 1ch driven) 60 W
(All properties stoom are only for the power amplifier stage.) Output terminals: Output (Each line input – FRONT SI Input sessitivity, Impedance: Trequency response: Tone control range:	60 W (8 ohms, 20 Hz ~ 20 kHz with 0.1% THD
only for the power amplifier stage.) Output terminals: Line input (Each line input – FRONT SI froquency response: Tone control range:	
amplifier stage.) Output terminals: Line input (Each line input - FRONT SI Input restribitive, / Impedance: Frequency response: Tone control range:	
Output terminals: Line input (Each line input - FRONT SI Input sessitivity, Impedance: Frequency response: Tone control range:	REAR (rear 2ch driven)
Line input (Each line input – FRONT SI Input earsitivity Unpedance: Frequency response: Tone control range:	6
Line input (Each line input – FRONT St Input sensitivity /Impedance: Frequency response: Tone control range:	Center: B to 16 ohms
Input sensitivity / Impedance: Frequency response: Tone control range:	010 00 010
Frequency response: Tone control range:	150 mV/47 k ohms PHONO (MM): 2.5 mV / 47 kohms
Tone control range:	10 Hz to 50 kHz: ±3 d8
	BASS: ±10 dB at 100 Hz
Signal, to more ratio	(PASS)
Phone agustizer (PHONO input - REC OUT)	1000
RIAA deviation:	±1 dB (20 Hz to 20 kHz)
Signal-to-noise ratio:	74 dB (A weighting, with 5 mV input)
Rated output / Maximum output:	150 mV/8 V
Distortion factor:	0.03% {1 kHz, 1 V}
- Tuper Section	
[FM] (note: "Vat 75 ohms 0 d8f = 1 x 10 15 W)	× 10 15 W]
Receiving Range	87.50 MHz ~ 108.00 MHz
Usable Seositivity:	1,0 uV (11.2 dBI)
50 dB Quieting Sensitivity:	MONO 1.6 µV (15.3 dBf)
Signal to Noise Hatto (IHF-A):	0
Total Harmonic Distortion	
(at 1 kHz):	STEREO 0.5%
[AM]	
Receiving Range:	522 kHZ ~ 1611 kHz
Usable Sensitivity:	18 µV
Signal to Noise Ratio:	50 dB
Video Section	
Standard video jacks	
Input and output level / impedance:	1 Vp-p/75 ohms
Frequency response:	2 Hz to 8 MHz + 0, -3 dB
General	
Power supply:	AC 230 V, 50 Hz (for Europe model)
	AC 240 V, 50 Hz (for U.K. model)
Power consumption:	200 W
Maximum external dimensions:	434 (W) × 142 (H) × 325 (D) mm (11-3/32 × 5-19/32 × 12-51/04)
Weight:	9.1 kg (20 lbs 1 oz)
• Remote control unit	
BC-169:	Total buttons: 36

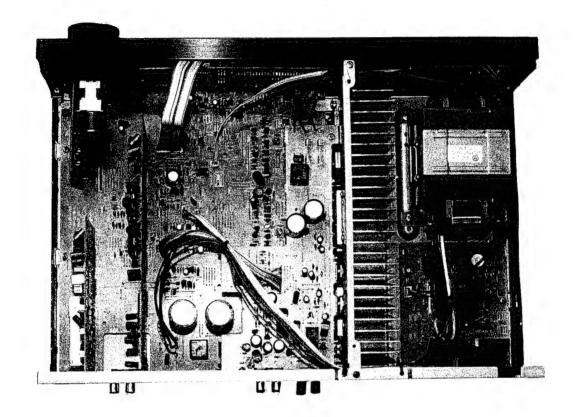
6 buttons 24 buttons R6F/AA Type (two batteries) 55 (W) x 18 HJX x 180 (D) mm (2.11/64" x 45/64" x 7.3/32") 110 g (Approx. 4 oz) (including batteries) 6 buttons Total buttons:
DENON system code
CD player:
CS settle dect:
AVR-800 fixed codes:
Batteries:
KRennel dimensions:
Weight:

* For purposes of improvement, specifications and design are subject to change without notice.

MEMO:

WIRE ARRANGEMENT

In case of wires require unclasping or loosening to move the location to perform adjustment or part replacement, be sure to rearrange them neatly to restore properly in the same location as they were originally placed, or causing to produce a noise may occasionally occur.

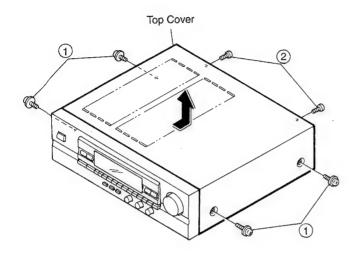


DISASSEMBLY

(To reassemble reverse disassembly)

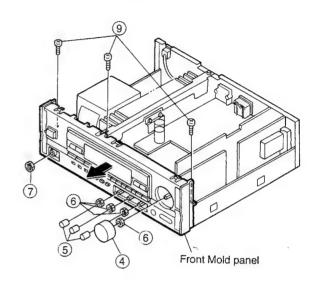
1. Top Cover

Remove 4 screws 1 and 2 screws 2.



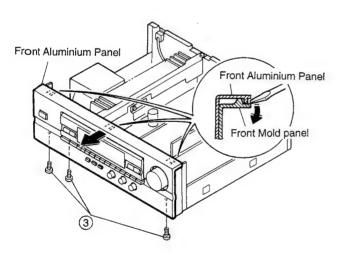
3. Front Mold Panel

- (1) Pull out Volume knob 4 and 3 round knobs 5.
- (2) Remove 4 nuts 6 and nut 7.
- (3) Remove 3 screws 9 .



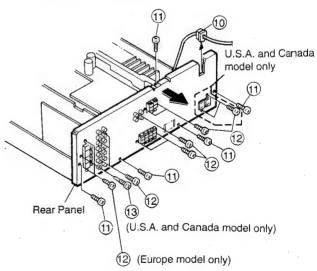
2. Front Aluminium Panel

Remove 3 screws (3) and undo hooks at 3 places.



4. Rear Panel

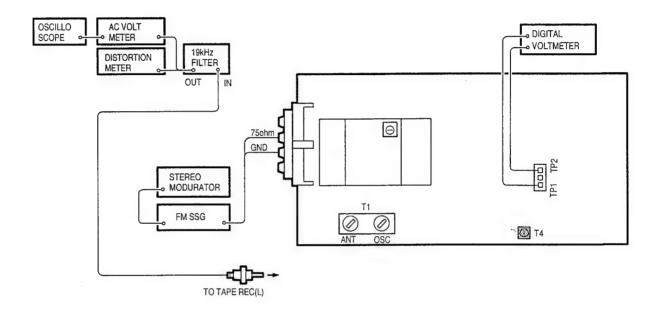
- (1) Disconnect cord bush 10 .
- (2) Remove 5 screws (1) , and 10 screws (2) , and a screw (3) .
 - * Screws (2) is tighten.



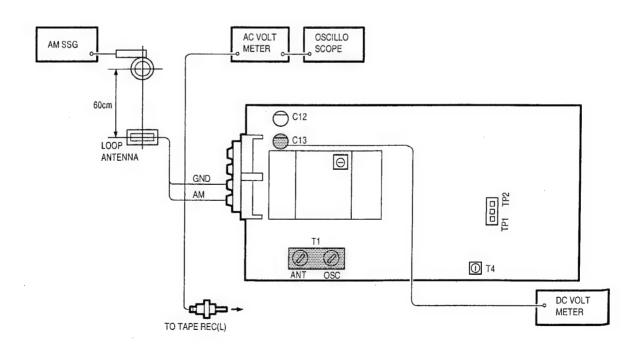
ADJUSTMENT

● TUNER SECTION CONNECTION DIAGRAM OF MEASURING INSTRUMENTS

• FM



AM



FM/MPX ALIGNMENT

		Function: FM Mode: Auto
Adjust	Adjust to	± 50mV
A	Points	T4
Output	Connect to	T.P. 1,2
ŏ	Туре	Digital Voltmeter
	Coupling	Antenna Terminal
	Modulation	None
Input	Input Level	11gp 09
	Frequency	98.0 MHz (98.00)
	Type	FM SSG
Tunina	Frequency	98.0MHz (98.00)
	Alignment Item	Tuning Center
	Step	-

() are Europe model.

AM ALIGNMENT

		_	_	_	_
	Remarks	Function: AM	Function : AM	Function : AM	Function : AM
Adjust	Adjust to	1.0 V ± 100mV	less than 9.0V (check the voltage)	Maximum Output	Maximum Output (check)
Ac	Points	T1 (OSC)		T1 (ANT)	
Output	Connect to	C13 (+ Side) GND	C13 (+ Side) GND	TAPE REC (L) -1	TAPE REC (C) -1
	Type	Electric DC Voltmeter	Electric DC Voltmeter	Audio V.M.	Audio V.M.
	Coupling	Loop Antenna	Loop Antenna	Loop Antenna	Loop Antenna
	Modulation	400 Hz 30%	400 Hz 30%	400 Hz 30%	400 Hz 30%
Input	Input Level	Input Level is not over to work A.G.C.			
	Frequency 520 KHz (522 KHz)		(2)		1400 KHz (1404 KHz)
	Type	AM SSG	AM SSG	AM SSG	AM SSG
Tuning	Frequency Setting	520 KHz (522 KHz)	1710 KHz (1611 KHz)	600 KHz (603 KHz)	1400 KHz (1404 KHz)
	Alignment Item	Receiving	Band Alignment	Tracking	Alignment
	Step		y-		N

() are Europe model.

• Initiating (Memory clearing) Method

To clear memory contents of microcomputer and restore to the initial state, take the following steps;

- 1. Press power switch, turn off power of the unit, and set to standby mode.
- 2. Pull out power cord from wall outlet temporarily.
- 3. Insert power cord into outlet while simultaneously pressing two keys of AUDIO and VIDEO.
- 4. Press power switch to confirm that memory contents are cleared.

By completion of the above, the initial state is restored. In case the memory can not be cleared due to some reasons, repeat steps 1 through 3.

AUDIO SECTION

Idling Current (1U-2650-1)

Required measurement equipment: DC Voltmeter

Arrangement

(1) Avoid direct blow from an air conditioner or an electric fan, and adjust the unit at normal room temperature 15°C ~ 30°C. (59°F ~ 86°F).

(2) Presetting

• POWER (Power source switch)

MODE (Mode buttton)

• FUNCTION (Function button)

VOLUME (Volume control)

BASS, TREBLE (Tone control)

SPEAKERS (Speaker terminal)

→ OFF

→ BY PASS

 \rightarrow CD

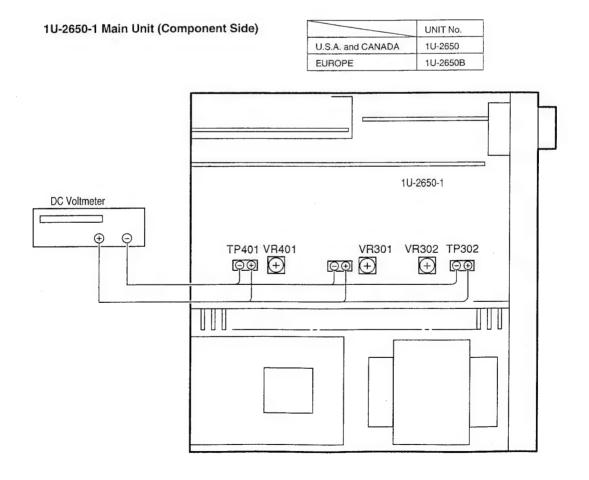
→ 0: fully counterclockwise (min.)

→ 0: (Controls to center)

→ No load (Do not connect speaker, dummy resistor, etc.)

Adjustment

- (1) Remove top cover and set VR401, VR301 and VR302 of 1U-2650-1 or 1U-2650B-1 (Main Unit) at counterclockwise fully.
- (2) Connect DC Voltmeter to test points (Lch T.P.302, Rch T.P.301, CENTER ch T.P.401).
- (3) Connect power cord to AC Line, and turn power switch "ON".
- (4) Allow 15 minutes, and turn VR301, VR302 and VR401 clockwise (\bigcirc) and adjust the TEST POINTS voltage to 1.5 mV \pm 0.5 mV DC.
- (5) After 2 minutes from preset, turn VR301, VR302 and VR401 to set the voltage to 3 mV \pm 0.5mV DC.



SEMICONDUCTORS

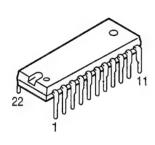
IC's

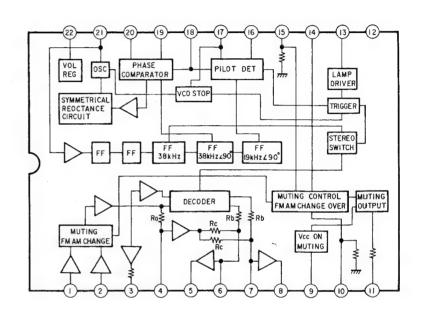
Note)

Indications before IC numbers denote P.W.B. Name.

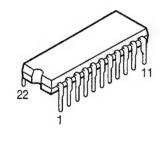
MA: Main Amp P.W.B. Unit RE: Rear Amp P.W.B. Unit SU: Surround P.W.B. Unit

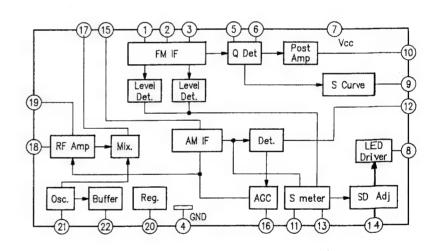
LA3401 (SU: IC002)





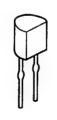
LA1265 (S) (SU: IC001)



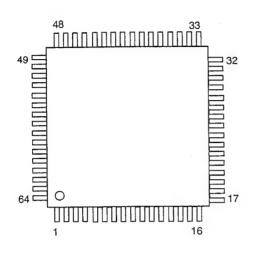


IC PROTECTORS

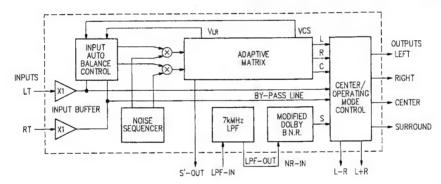




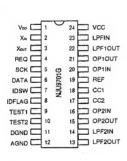
ICP-N15 (RE: IC552) ICP-N20 (RE: IC505, 506) NJM2177AF (SU: IC201)

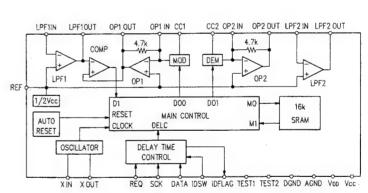


Pin No.	Pin Name	Pin No.	Pin Name	Pin No.	Pin Name
1	NC	23	NOISE-HPF	45	LPF-INV-IN
2	L-RECT-IC	24	NOISE-LPF	46	LPF-NINV-IN
3	R-BPF-OUT	25	S-OUT	47	NR-TC
4	R-BPF-IN	26	CENTER-CNT	48	NC
5	R-RECT-TC	27	MODE-CNT	49	NC
6	GND	28	L-OUT	50	VLR-TC3
7	AB-GATE	29	R-OUT	51	VCS-TC3
8	AB-HOLD-TC	30	L+R-OUT	52	VCS-TC2
9	L-AB-IN	31	L-R-OUT	53	VCS-TC1
10	L-AB-OUT	32	NC	54	VLR-TC1
11	L-IN	33	NC	55	VLR-TC2
12	L-INBUF-OUT	34	CENTER-MODE	56	S-RECT-OUT
13	R-INBUF-OUT	35	Vcc	57	C-RECT-OUT
14	R-IN	36	C-OUT	58	R-RECT-OUT
15	R-AB-OUT	37	S'-OUT	59	L-RECT-OUT
16	NC	38	IREF	60	S-RECT-TC
17	NC	39	NR-VCF	61	C-RECT-TC
18	R-AB-IN	40	NR-IN	62	L-BPF-OUT
19	NOISE-CNT-E	41	VREF	63	L-BPF-IN
20	NOISE-CNT-A	42	VREF	64	NC
21	NOISE-CNT-B	43	NR-WT		
22	NOISE-REF	44	LPF-OUT	1	

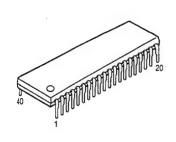


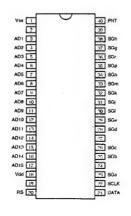
NJU9701G (SU: IC202)



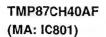


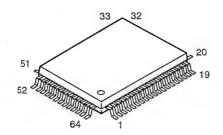
MSC1937-01 (RE: IC702)

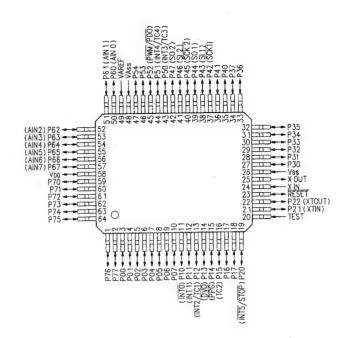




Pin No.	Terminal Function
1	Power Supply (+5V)
3	Digit 1 Output
ł	ł
17	Digit 17 Output
18	GND
19	
20	POWER-ON-RESET
21	Data Input
22	Shift Clock Input
23	Segment a Output
ł	1
38	Segment h Output
39	_
40	POINT Output





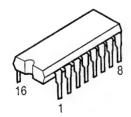


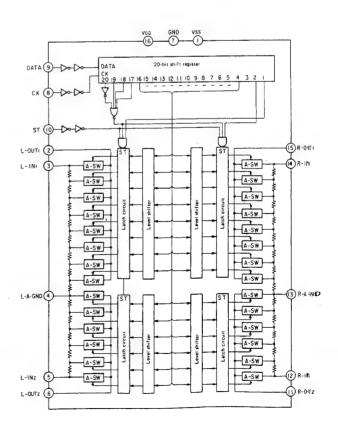
TMP87CH40AF Terminal Function

Pin No.	SYMBOL	Name	I/O	Det	Res	Ext	Ini	Function
1	P76	ST/MONO	0	-	Z	-	Н	STEREO/MONO control signal ("L" at STEREO mode)
2	P77	No connection	ı	-	Z	GND	·-	No connection
3	P00	Video Control A	0	_	Z	_	н	Video input/output control ("L" at selection)
4	P01	Video Control B	0	-	Z	-	н	Video input/output control ("L" at selection)
5	P02	No connection	1	_	Z	GND	_	No connection
6	P03	No connection	ı	-	Z	GND	-	No connection
7	P04	СК	0	-	Z	-	Н	Serial delay time control output (NJU9701)
8	P05	REQ	0	-	Z	-	н	Delay time control output
9	P06	DATA	0	_	Z	-	L	Serial delay time control output
10	P07	SURR.	0	-	Z	_	н	Rear signal control
11	P10/INTO	Stop Power	I	Lv	Z	Pu	_	Stop power detect ("L"at stop power)
12	P11/INT1	PROTECTION	ı	E&L	Z	Pu	-	Protective input ("H" at protection)
13	P12/INT2	L+R	0	-	Z	-	Н	Rear signal control
14	P13/DV0	L-R	0	-	z	-	н	Rear signal control
15	P14/PPG	CNT-E	0	-	Z	_	Н	Test tone control
16	P15/TC2	CNT-A	0	-	Z	_	L	Test tone control
17	P16	CNT-B	0	_	Z	_	L	Test tone control
18	P17	NORMAL	0	-	Z	_	L	Center mode control
19	P20/INT5	WIDE	0	-	Z	Pu	н	Center mode control
20	TEST		1	_	_	-	_	Connect to GND
21	P21/XT1	BYPASS	0	-	Z	Pu	L	PRO LOGIC Change signal
22	P22/XT0	PRO LOGIC	0	-	z	-	Н	PRO LOGIC Change signal
23	RESET		i	-	-	_	-	Reset input
24	XIN		~	-	_	-	-	Oscillate circuit (4MHz)
25	XOUT		_	-	_	-	-	Oscillate circuit (4MHz)
26	Vss	GND	_	-	-	-	-	
27	P30	SP-FRONT	0	_	Z	Pu	Н	Speaker relay control output
28	P31	SP-REAR	0	-	Z	Pu	L	Speaker relay control output
29	P32	SP-CENTER	0	_	Z	Pu	L	Speaker relay control output
30	P33	H/P	0	_	Z	Pu	Н	Headphone relay control output
31	P34	POWER	0	_	Z	Pu	L	Power relay control output ("L" at ON)
32	P35	STANDBY-LED	0	_	Z	Pu	L	LED drive output for STANDBY indication ("L" at display lights
33	P36	BYPASS	0	-	Z	Pu	L	PRO LOGIC change signal
34	P37	No connection	I	-	Z	GND	_	No connection
35	P40	VOL. UP	0	_	Z	Pu	L	Electrical volume control output (LB1639)

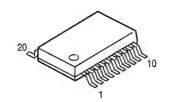
Pin No.	Symbol	Name	1/0	Det	Res	Ext	lni	Function
36	P41	VOL. DOWN	0	-	Z	Pu	L	Electrical volume control output (LB1639)
37	P42/SCK1	СК	0	-	Z	Pu	L	Serial electrical volume control output (TC9176)
38	P43/SI1	ST	0		Z	Pu	L	Electrical volume control output
39	P44/SO1	DATA	0	-	Z	Pu	Н	Serial electrical volume control output
40	P45/SCK2	FL-CK	0	_	Z	Pu	Н	Serial Liquid Crystal Display control output (MSC1937)
41	P46/SI2	FL-RS	0	_	Z	Pu	L	Liquid Crystal Display control output
42	P47/SO2	FL-DATA	0	-	Z	Pu	Н	Serial Liquid Crystal Display control output.
43	P50/INT3	REMOTE	1	E&L	Z	Pu	_	Remote control signal input
44	P51/INT4	СК	0	-	Z	Pu	L	Serial surround control signal output (LC7822)
45	P52/PWM	CE	0	-	Z	Pu	L	Surround control output
46	P53	DATA	0	_	Z	Pu	L	Serial surround control output
47	P54	No connection	1	-	Z	GND	-	No connection
48	VASS	GND	_	_	-	_	_	Analog reference GND for A/D conversion
49	VAREF	+5V	_	_	-	_	-	Analog reference voltage for A/D conversion. Connect to 5V
50	P60/AIN0	KEY1	ı	Lv	Z	Pu	-	Button input
51	P61/AIN1	KEY2	1	Lv.	Z	Pu	_	Button input
52	P62/AIN2	KEY3	1	Lv	Z	Pu	_	Button input
53	P63/AIN3	MODE	ı	Lv	Z	Pu	-	AVC/AVR change signal
54	P64/AIN4	No connection	ı	_	Z	GND	-	No connection
55	P65/AIN5	No connection	1	_	Z	GND	_	No connection
56	P66/AIN6	No connection	l		Z	GND	-	No connection
57	P67/AIN7	No connection	1	-	Z	GND	-	No connection ~
58	VDD	+5V	_	-	_	-	-	Connect to 5V
59	P70	СК	0	-	Z	_	L	Serial control output (LM7001)
60	P71	DATA	0	-	Z	-	L	Serial control output (LM7001)
61	P72	ST	0	-	Z	_	L	latch control
62	P73	TUNER MUTE	0	-	Z	-	Н	Mute output ("H" at muting)
63	P74	TUNED SIGNAL	1	Lv	Z	Pu	_	Synchronous detect ("L" at synchronous)
64	P75	STEREO SIGNAL	ı	Lv	Z	Pu	_	"L" at stereo receive mode

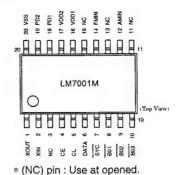
TC9176P (SU: IC262)

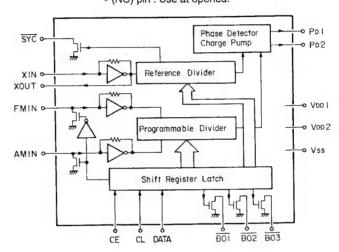




LM7001M (SU: IC003)







Terminal Description

SYC

: Clock for controller (400 kHz)

XIN, XOUT

: X'tal OSC (7.2MHz)

FMIN, AMIN

: Station oscillation signal input.

CE, CL, DATA : Data input.

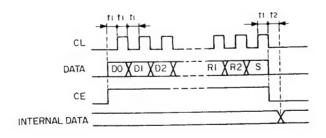
BO1, BO2, BO3: Band data output. BO1 is feasible for time base output (8Hz).

 $V_{DD}1$, $V_{DD}2$, V_{SS} : Power supply. ($V_{DD}2$ is for back-up)

P_D1, P_D2

: Charge pump output.

Data input



 $t1 > 1.5 \mu s$ (X'tal at 7.2MHz) $t2 < 1.5 \mu s$

	Input f																				
D0 D1	D2 D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	TO	T1	B0	В1	B2	ТВ	R0	R1	R2	S

(1) D0 (LSB)~D13 (MSB) :Frequency dividend data For FMIN, use D0~D13; for AMIN, use D4~D13.

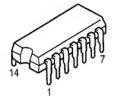
•	1 14111	1, 00			-,		,							
	D0	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13
	1	0	1	0	0	0		0	0		0	1	1	1
	LSB						_							MSB
	×	×	×	×	0	0	0	0	0	1	0	1	1	MSB
					LOD									IVIOD

→ FMIN Frequency dividend number = 14853

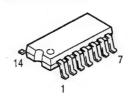
→ AMIN Frequency dividend number = 928

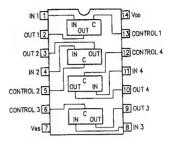
(2) T0, T1: For test of LSI(0,0)

BU4066BC (RE: IC601)

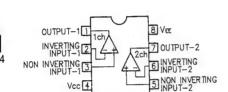


BU4066BCF (SU: IC203, 205)

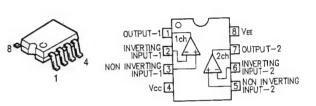




BA4558 (MA: IC451)

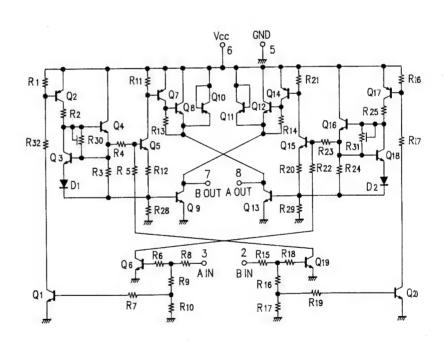


BA4558F (SU: IC101, 103, 261, 263) NJM2068MD (SU: IC101): Europe model only

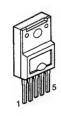


BA6208F (SU: IC264)





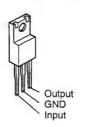
SI-18752 (RE: IC501, 502)



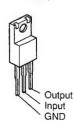
1. +IN 2. -IN 3. -VEE 4. Output

5. +Vcc

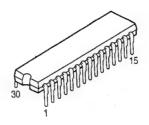
NJM7806FA(S) (RE: IC551) NJM7812FA(S) (RE: IC503)

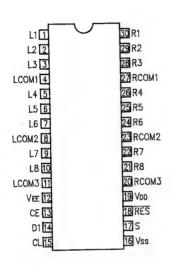


NJM7912FA (RE: IC504)



LC7822 (SU: IC102)





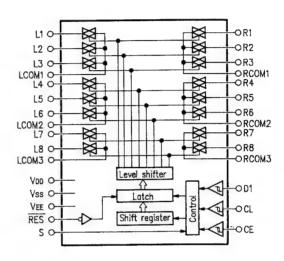
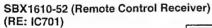


Table of LC7822 Terminal Function

Name of Terminal	1/0	Equivalent Internal Circuit		Funct	ion of Ter	minal						
VDD, VSS, VEE			Power terminal.									
L1 ~ L8, R1 ~ R8 LCOM1 ~ LCOM4, BCOM1 ~ BCOM4		Refer to block diagram	In/Out terminal of analog	In/Out terminal of analog switch.								
CL, DI, CE	1		Serial data input terminal (Schmidt buffer). CL = Clock input terminal. DI = Data input terminal. CE = Chip enable terminal.									
			Selection terminal for u Address will be shifted	sing of two. as per below tab	le when s		S termina	I to L or H.				
S	1	п——>—	Name of Item	S Terminal	AO	A1	A2	A3				
			1.07000	L	0	1	0	1				
			LC7822	Н	1	1	0	1				
			Reset terminal.									
RES	1		Condition of analog switch is not fixed at the time of turning on the power. When shift this termnal to L, all analog switches become OFF.									

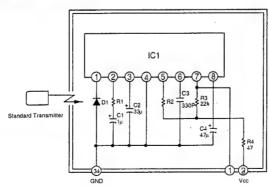






- 1. Vcc 2. Output





IC1 : CX20106A chip D1 : Pin photodiode chip

C1, C2, C4 : Aluminum electrolytic capacitor

СЗ : SL characteristic ±5% R1 : Gain control resistor

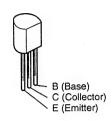
: fo control resistor (using ± 1%)

R (Other than above items)

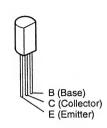
: ±5%

• TRANSISTORS

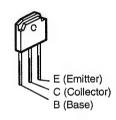
2SA970 (BL) 2SA988 (E/F) 2SC1015 (GR) 2SC1815 (Y),(BL) 2SC1841 (E/F) 2SC2878 (A/B)



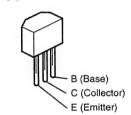
2SB647A (C) 2SB1041 (R) 2SD1292 (R) 2SD667A (C)



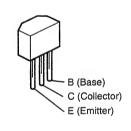
2SA1490 (O/P/Y) (Z) 2SC3854 (O/P/Y) (Z)



2SA933S (R) 2SC1740S (E)

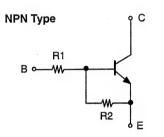


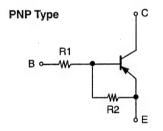
DTA143ES DTC143ES



DTC143ES

DTA143ES





	R1	R2
DTC143ES	4.7 kohm	4.7 kohm

	R1	R2
DTA143ES	4.7 kohm	4.7 kohm

2SK209 (Y/GR)

2SC2412K (S) 2SC2712 (Y/GR) 2SC2996 (Y)

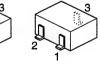
RN2402 DTA114TK DTA144EK DTC144EK DTC144TK DTC323TK DTC144EK DTC144TK DTC323TK

NPN Type

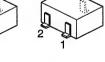
DTA144EK DTA114TK

PNP Type

RN2402







1 : Gate

2 : Drain

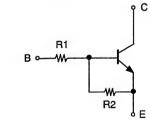
3 : Source

1 : Drain 1 : Emitter 2 : Source 2: Base

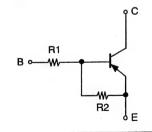
3: Gate

2SK211 (Y/GR)

1: GND/Emitter 2: Out/Collector 3 : In/Base 3 : Collector



	R1	R2
DTC144EK	47 kohm	47 kohm
DTC144TK	47 kohm	_
DTC323TK	2.2 kohm	-



	R1	R2
RN2402	47 kohm	47 kohm
DTA144EK	47 kohm	47 kohm
DTA114TK	10 kohm	

• DIODES (included LED)

1SS252 1S2471

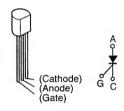
HZS3C-1 HZS9A-1 HZS6B-1 HZS12A-1 HZS7C-1 HZS12B-1 HZS7B-1

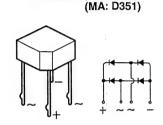




1SR35-200A

SF0R1A42 (Thyristor)





S4VB20F (RE: D502)

SEL1210S (Red) (RE: LD701)

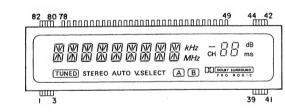
Short

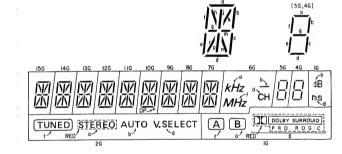
(Cathode)

Long (Anode)

• FL DISPLAY FIP14PM8

(Part No.: 3934131000)(FL701)





11	21	31	41	51
12	22	32	42	52
13	23	33	43	53
14	24	34	44	54
15	25	35	45	55
16	26	36	46	56
17	27	37	47	57

5 × 7 Dot inner connections

(UPPER)

(OFFEIT)																				
TERMINAL No. ELECTRODE	82 F1	81 F1	80 F1	79 NP	78 P DP	77 P h	76 P g	75 P r	74 P p	73 P n	72 P m									
TERMINAL No. ELECTRODE	71 P k	70 P i	69 P f	68 P e	67 P d	66 P c	65 P b	64 P a	63 15G	62 14G	61 13G	60 12G	59 11G	58 10G	57 9G	56 8G	55 7G	54 6G	53 5G	52 4G
TERMINAL No. ELECTRODE											51 3G	50 2G	49 1G	48 NP	47 NP	46 NP	45 NP	44 F2	43 F2	42 F2

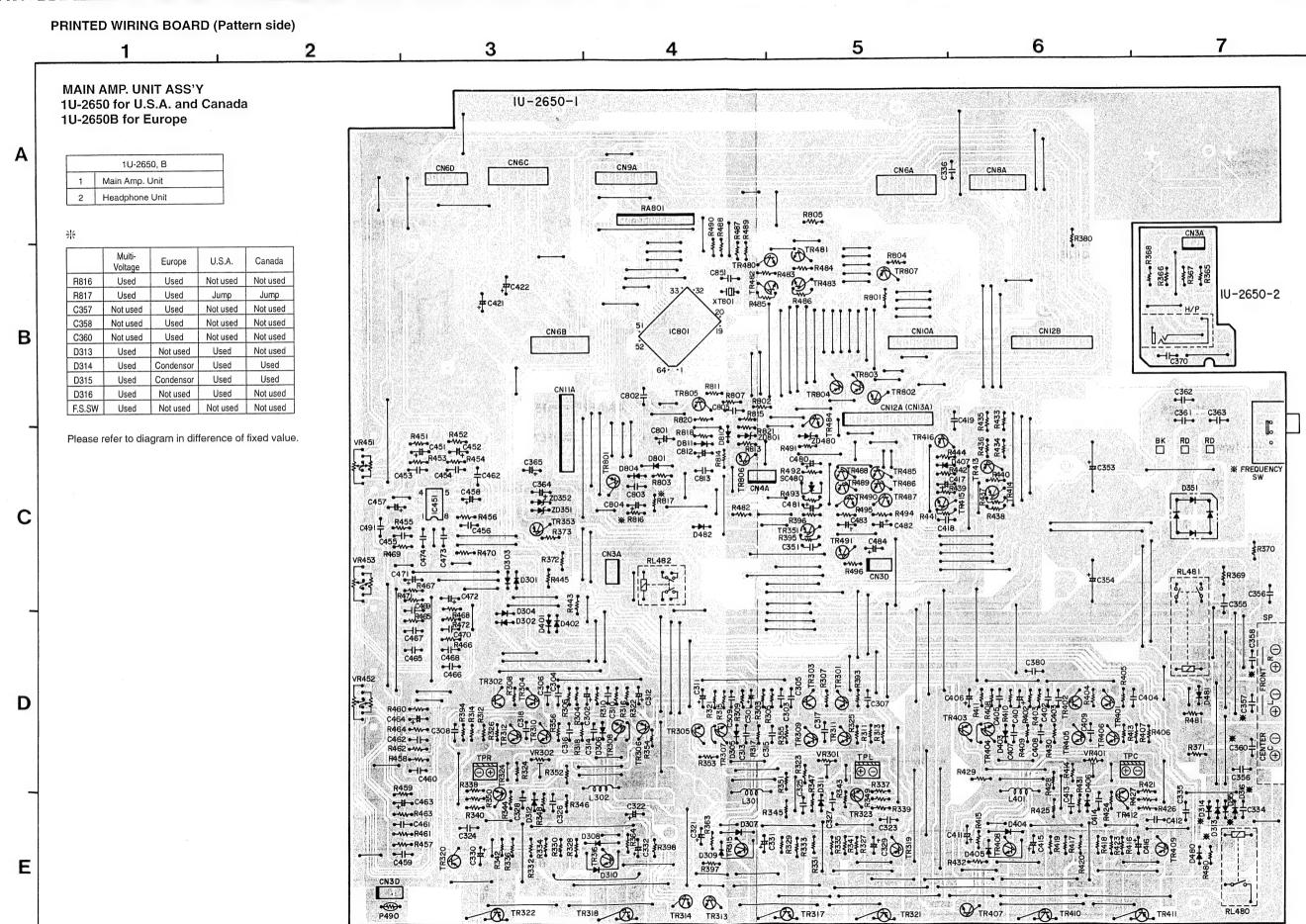
/I OWED

(LOWER)																				
TERMINAL No. ELECTRODE									(27)	(37)	32 NP (47)	33 NP (57)	34 NP	35 NP	36 NP	37 NP	38 NP	39 F2	40 F2	4-1 F-2
TERMINAL No. ELECTRODE	12 NP	13 NP	14 NP	15 NP	16 NP	17 NP	18 NP	19 NP	20 NP	21 NP	22 NP	23 NP	24 NP	25 NP	26 NP	27 NP	28 NP	29 NP	30 NP	31 NP
TERMINAL No. ELECTRODE	1 F1	2 F1	3 F1	4 NP	5 NP	6 NP	7 NP	8 NP	9 NP	10 NP	11 NP	12								

Notes: F: Filament

G: Grid P: Anode

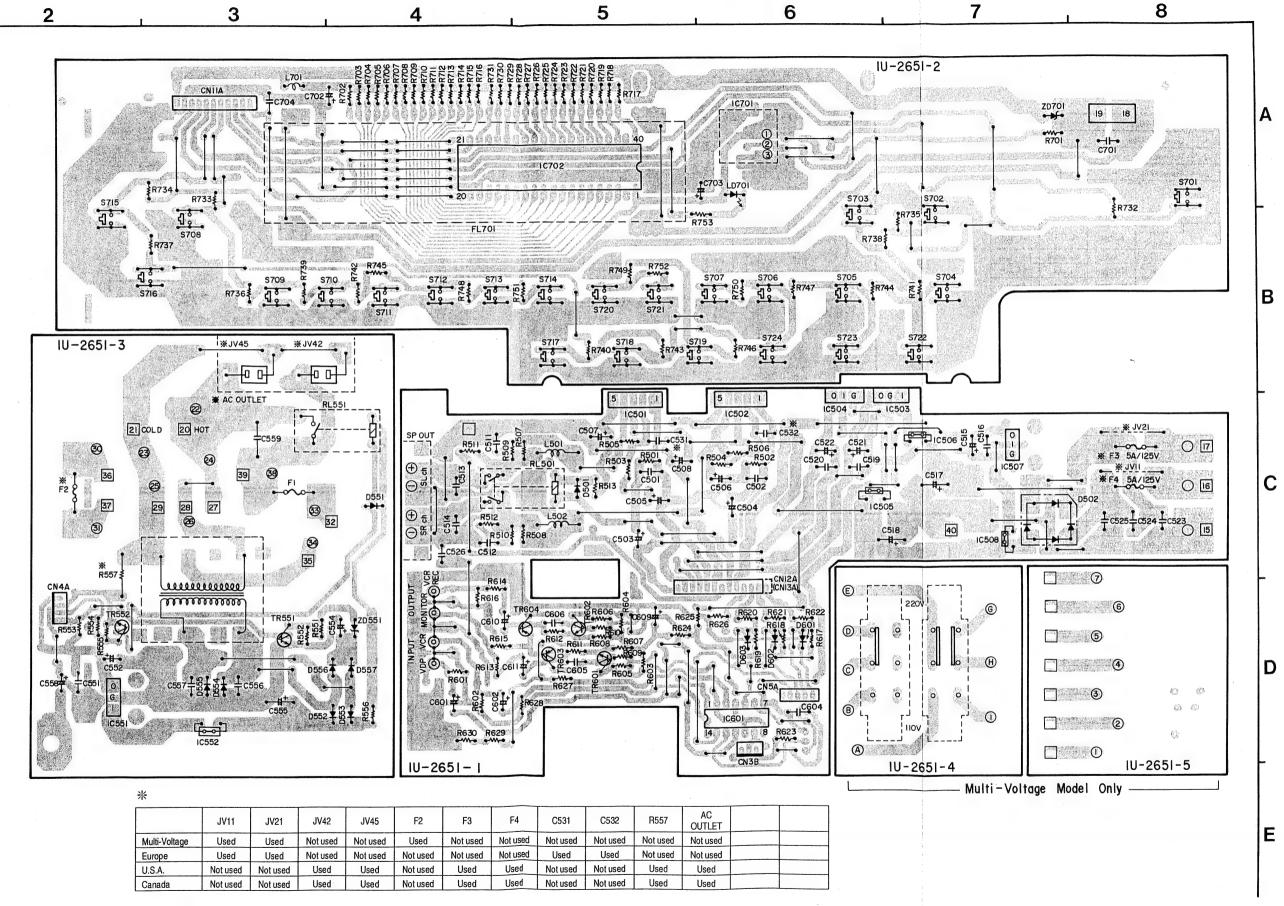
45



REAR AMP. UNIT ASS'Y 1U-2651 for U.S.A. and Canada

		1U-2651, B	
	1	Rear Amp. Unit	
	2	VFD Unit	
į	3	Power Supply Unit	

1U-2651B for Europe



Please refer to diagram in difference of fixed value.

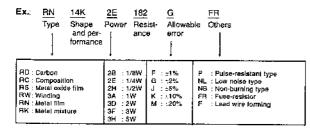
	1 2	3	4	5	6	, 7 , 8
	SURROUND UNIT ASS'Y 1U-2652 for U.S.A. and Canada 1U-2652B for Europe		103 C109	C229 C2	C226 III	U - 2652 - STEATER S
A	1U-2652, B 1 Surround Unit 2 Volume Unit 3 Tuner Unit	HONO BE STATE TO STATE THE PROPERTY OF THE PRO	COS	C235 C233 C2 - - - - - - - - - -	C227 C220 C2 C222	225
В	Multi-Voltage Europe U.S.A. Canada TR1 Not used Used Not used Used J4 Used Not used Used Used Used J5 Used Not used Used Used J6 Used Not used Used Used J101 Used 4.7k Used Used J102 Used 4.7k Used Used J200 Not used Used Not used Not used C2 Not used Used Not used Not used	* * * * * * * * * * * * * * * * * * *	The second secon	C201	C240 R200 R200 C213 R210 C214 C214 C214 C214 C214 C214 C215 C225	C241 R220 C218 L201 L201 TR210 C256 H C256 C256 C27 C27 C27 C27 C27 C27 C27 C2
	C6 Not used Used Not used Used C23 Used Not used Used Used C26 Not used Used Not used Not used C121 Not used Used Not used Not used C122 Not used Used Not used Not used C123 Not used Used Not used Not used C124 Not used Used Not used Not used C124 Not used Used Not used Not used	Section Sect	SW CS82		## * H	R236 C257
C	C125 Not used Used Not used Not used C126 Not used Used Not used Not used C127 Not used Used Not used Not used C128 Not used Used Not used Not used C147 Not used Used Not used Not used C148 Not used Used Not used Not used C281 Not used Used Not used Not used C282 Not used Used Not used Not used R2 Not used Used Not used Not used	A SOCIAL OF THE SECOND OF THE	SES Z SES Z S S S S S S S S S S S S S	CN6A R73 *LF2 by C57	CN8A TR3 TR4 E E E E E E E E E E E E E E E E E E E	20 R4 E R15 R15 R15 R15 R16
D	R2 Not used Used Not used Not used R4 Not used Used Not used Not used R6 Not used Used Not used Used R50 Used Not used Used Used R71 Not used Used Not used Not used R72 Used Not used Used Used R80 Used Not used Used Not used R81 Not used Used Not used Used R82 Used Not used Used Not used R93 Not used Used Not used Not used	C264 C268 C262 C264 C268	C278 C275	R40 C46 R97 R39 C21 R25 C20	in the second se	FM FM FM FM FM FM FM FM
_	LF1 Not used Used Not used Not used LF2 Not used Used Not used Not used LF3 Not used Used Not used Not used LF101 Not used Used Not used Not used LF102 Not used Used Not used Not used Please refer to diagram in difference of fixed value.	C276 1C264 1C264 1C267 1C268 1C278	Rch Sch Sch Ccl	12 22 C35 TP1 CF5 CF5 C49 IC2 TP1 CF5 C75 C75	CF2 RO RCF R5	I I AM
E		D261	IU-2652-2	C27 8 + C40 + S CF3 T4 RE	33	OSC ANT.

NOTE FOR PARTS LIST

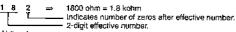
- Part indicated with the mark * " are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.
- When ordering of part, clearly indicate "1" and "i" (i) to avoid mis-supplying.
- Ordering part without stating its part number can not be supplied.
- ◆ Part indicated with the mark "★" is not illustrated in the exploded view.
- Not including Carbon Film ±5%, 1/4W Type in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.) WARNING:

Parts marked with this symbol 🛕 🜇 have critical characteristics. Use ONLY replacement parts recommended by the manufacturer.

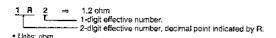
Resistors



* Resistance



⁻ Units: ohm

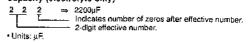


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Capacitors

	1H Dielectric strength		lowable Others
GE : Aluminum foll	0J : 6.3V	F:+1%	HS : High stability type
electrolytic	l		, , , , , , , , , , , , , , , , , , , ,
CA : Aluminum solld	1A : 10V	G : ±2%	BP : Non-polar type
electrolytic	i		
CS : Tantalum electrolytic	10 : 16V	J:±5%	HR : Ripple-resistant type
CQ ; Film	1E :25V	K :±10%	DL : For charge and discharge
CK : Ceramic	1V : 35V	M : ±20%	HF : For assuring high frequency
CC : Ceramic	1H : 50V	Z:+80%	U : UL peri
CP : Oil .	2A : 100V	-20%	C : CSA part
CM : Mice	2B : 125V	P:+100%	W : UL-CSA type
GF : Metallized	2C : 160V	-0%	F : Lead wire forming
CH : Metallized	2D : 200V	C:±0.25pF	
1	2E : 250V	D :+0.5pF	
1	2H : 500V	- Others	
1	2J 630V	Jillela	

* Capacity (electrolyte only)



* Capacity (except electrolyte)

 When the dielectric strength is indicated in AC, "AC" is included after the dieelectric strength value.

P.W.B. ASS'Y PARTS LIST 1U-2650 MAIN UNIT ASS'Y (U.S.A. and Canada models)

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
SEMICON	DUCTORS	<u> </u>		<u> </u>	241 2375 907	Carbon Film 10ohm 1/4W(NB)	RD14B2E100JNBS
					241 2380 963	Carbon Film 2.2kohm 1/4W(NB)	
IC451 IC801	263 0322 004 262 1876 006	IC BA4558 IC TMP87CH40F-4066	ц-сол	∄ R409	241 2377 976	나는 건강한 마음은 그들은 반으로만 그 때문을 다니다. 그렇다 살아 없다.	RD14B2E131JNBS
IC601	262 1876 000	10 1ME010H0E-4000	H-00m	A R413	241.2315.967	Füsible 68ohm 1/4W(NB)	RD14B2E6B0GFRS
TB301~304	271 0094 919	Transistor 2SA970(BL)		<u> </u>	241 2378 920	Carbon Film 220ohm 1/4W(NB) Metal Oxide 0.22ohm 1W(NB)	RD14B2E221JNBS RS14B3AR22JNBS(S)
TR305,306	271 0131 924	Transistor 2SA988(E/F)		⚠ R417-420 ⚠ R423,424	244 2043 982 241 2380 950	Carbon Film 2kohm 1/4W(NB)	RD14B2E202JNBS
	273 0235 923	Transistor 2SC1841(E/F)		**************************************	241 2360 950	Matal Oxide 4.70hm 1W(NB)	RS14B3A4R7JNBS(S)
TR313,314	273 0198 002	Transistor 2SC1815(Y)		<u> </u>	241 2377 976	Carbon Film 130ohm 1/4W(NB)	RD14B2E131JNBS
	274 0060 900	Transistor 2SD667A(C)	ļ	⚠ R433~436	244 2043 982	Metal Oxide 0.22ohm (W(NB)	RS14B9AR22JNBS(S)
	272 0053 908	Transistor 2SB647A(C)		₹ FI480,481	241 2387 908	Carbon Film 1ohm 1/4W(NB)	RD14B2E010JNBS
TR323,324	273 0235 923	Transistor 2SC1841(E/F)		<u> </u>	244 2051 974	Metal Oxide 1kohm (W(NB)	RS14B3A102JNBS(S)
TR351	271 0131 924 272 0131 901	Transistor 2SA988(E/F) Transistor 2SB1041(R)		 № № № №	244 2050 988	Metal Oxide 2kohm 1W(NB)	RS14B3A202JNBS(S)
TR353 TR401,402	272 0131 901	Transistor 2SA970(BL)		№ 803	241 2387 940	Carbon Film 4.7ohm 1/4W(NB)	RD14B2E4R7JNBS
TR403	271 0034 313	Transistor 2SA988(E/F)			644 6647 666	C Cived Decistor 4 7trabo	V06P8472
	273 0235 923	Transistor 2SC1841(E/F)		VR301,302	211 6047 023	Semi Fixed Resistor 4.7kohm Semi Fixed Resistor 4.7kohm	V06PB472
TR407	273 0198 002	Transistor 2SC1815(Y)		VR401 VR451	211 6047 023 211 0798 103	Variable Resister 100kohm	Balance
TR408	274 0060 900	Transistor 2SD667A(C)		VR451 VR452	211 0790 103	Variable Resister 30kohm	Bass
TR409	272 0053 908	Transistor 2SB647A(C)		VR453	211 0797 104	Variable Resister 5kohm	Treole
TR412	273 0235 923	Transistor 2SC1841(E/F)	ŀ	1			
TH413,414	271 0131 924	Transistor 2SA988(E/F)	!	RA801	246 2067 003	Resister Array 4.7kohmx11	RK99≈=472JP1
TR415	273 0235 923	Transistor 2SC1841(E/F)	ļ i				Ì
TR416	271 0131 924	Transistor 2SA988(E/F) i Transistor 2SC1740S(E)		CARACIT	ORS GROU		·
TR486	273 0388 906 271 0192 905	Transistor 2SA933S(S)					05044454004
TR487	273 0388 906	Transistor 2SC1740S(E)		C301,302	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M CK45B1H101K
TR489	271 0192 905	Transistor 2SA933S(S)		C303,304	253 1179 903	Ceramic 100pF/50V Ceramic 220pF/50V	CK45B1H121K
TR490	273 0388 906	Transistor 2SC1740S(E)		C305,306 C307,308	253 1179 945 255 1264 966	Plastic Film 0.0033µF/50V	(CQ93M1H332.(B)
	269 0022 904	Transistor DTA143ES	Built in Resistor	C307.306 C309.310	253 4536 954	Ceramic 16pF/50V	CC45SL1H16GJ
TR805	273 0388 906	Transistor 2SC1740S(E)		C311,312	254 4256 952	Electrolytic 220µ F/25V	CE04W1E221M
TR806	269 0018 905	Transistor DTC143ES	Built in Resistor	C313-316	255 1264 908	Plastic Film 0.001 µF/50V	CQ93M1H102J(B)
TR807	269 0022 904	Transistor DTA143ES	Built in Resistor	G317,318	253 4476 904	Geramic 18pF/500V	CC45SL2H18GJ
		D: 1 400050		C321,322	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
D301~306	276 0616 907	Diode 1\$\$252		C323,324	253 1128 909	Ceramic 220pF/500V	CK45B2∺221K
D307~310 D311-316	276 0619 904 276 0616 907	Diode 1S2471 Diode 1SS252		C325,326	256 1034 979	Metalized 0.1µF/50V	CF93A1H104J
A DOST	276 0305 001	Diage 84VB20	Bridge	C327,328	255 1265 936	Plastic Film 0.01µF/50V	CQ93M1H103.(B)
D401-403	276 0616 907	Diode 1SS252	CONTRACTOR AND SECURITION OF THE PARTY OF TH	C329-332	254 4262 904	Electrolytic 4.7µF/63V	CE04W1J4R7M CK45F1H103Z
D404,405	276 0619 904	Diode 1S2471		C334,335	253 1146 907	Ceramic 0.01 µF/50V Plastic Film 0.01 µF/50V	CQ93M1H103.(B)
D406,407	276 0616 907	Diode 1SS252		C351 C353,C354	255 1265 936 254 4349 717	Electrolytic 5600µF/56V	CE04W==562MC(DL)
D480~482	276 0616 907	Diode 1SS252		C355,356	256 1034 979	Metalized 0.1 µF/50V	CF93A1H104J
D801	276 0619 904	Diode 1S2471		C359	256 1034 979	Metalized 0.1µF/50V	CF93A1H104J
D804	276 0616 907	Diode 1SS252		C363	256 1042 903	Metalized 0.1µF/250V	CF93A2E104K
Ď810,811	276 0616 907	Diode 1SS252		C364,365	254 4260 948	Electrolytic 1µF/50V	CE04W1H010'll
750515	070.0470.004	7++04 Diode U70104 1	12V	C370	253 9038 907	BC Ceramic 0.47µF/50V	CK45=1H473Z
ZD351.352	I	Zener Diode HZS12A-1 Zener Diode HZS7C-1	12V 7V	C380	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103Z
ZD480 ZD801	276 0466 908 276 0454 907	Zener Diode HZS3C-1	3V	C401	254 4254 909	Electrolytic 10µF/16V	CE04W1C10011
40001	E/0 0404 80/	Zoller Diode Litzago. I		C402	253 1179 903	Ceramic 100pF/50V	CK45B1H101K
SC480	279 0016 904	Thyrister SF0R1A42		C403	253 1179 945	Ceramic 220pF/50V Plastic Film 0.0033µF/50V	CK45B1H221K CQ93M1H332(日)
20.00				C404	255 1264 966 253 4536 954	Ceramic 16pF/50V	CC45SL1H16W
Brava	IDO OCOUR	/Net instuded Carbon Ell	m +5% 1/4 M Tuno	C405 C406	254 4256 952	Etectrolytic 220µ F/25V	CE04W1E221N
		(Not included Carbon Fil		C406 C407,408	254 4256 952	Plastic Film 0.001 µF/50V	CQ93M1H102(B)
Refer to	the Schemat	ic Diagram for those Par		C407,400	253 4476 904	Ceramic 18pF/500V	CC45SL2H180J
⚠ #311-314	241 2380 963	Carbon Film 2.2kohm 1/4W(NB)	RD14B2E222JNBS	G411	254 4260 948	Electrolytic 1µF/50V	CE04W1H010%
A R317,318	241 2377 976	Carbon Film 130ohm 1/4W(NB)		C412	253 1128 909	Ceramic 220pF/500V	CK45B2H221K
⚠ R325,326	241 2315 967	Fusible 68ohm 1/4W(NB)	RD14B2E680GFRS	C413	256 1034 979	Metalized 0.1μF/50V	CF93A1H104J
<u> </u>	241,2378,920	Carbon Film 220ohm 1/4W(NB)	AD14B2E221JNBS	C414	255 1265 936	Plastic Film 0.01 µ F/50V	CO93M1H103(B)
<u> </u>				C415,416	254 4262 904	Electrolytic 4.7µF/63V	CE04W1J4R7K
A R341–344	O 1 5 5 C	Carbon Film 2kohm 1/4W(NB)	RD14B2E202JNBS RS14B3A4R7JNBS(S)	C417	254 4258 918	Electrolytic 10µF/35V	CE04W1V100F
⚠ R345,346	244 2051 987	Metal Oxide 4,70hm 1W(NB) Carbon Film 130ohm 1/4W(NB)		C418,419	255 1265 936	Plastic Film 0.01 µF/50V	CQ93M1H103(B)
⚠ R355,356 ⚠ R365–368	241 2377 976 244 2051 958	Metal Oxide 220ohm 1W(NB)	RS14B3A221JNBS(S)	C421,422	254 4254 909	Electrolytic 10µF/16V Electrolytic 10µF/16V	CE04W1C1001 CE04W1C1001
<u>/</u> Λ H365−368 /Λ H369−371	244 2051 987	Metal Oxide 4.7ohm 1W(NB)		C451,452	254 4254 909 253 1179 903	Geramic 100pF/50V	CK45B1H101E
1.1009-01	#44 F00 1,001	The second of th	A STATE OF THE PROPERTY OF THE PARTY OF THE	C453-456	200 111 9 900	Guidinio Toopi root	51110011113111
	1	<u> </u>	!	l <u>L</u>	<u> </u>	<u> </u>	

1U-2650B MAIN UNIT ASS'Y (Europe model) [Same as 1U-2650 (for U.S.A. and Canada models) except the followings.]

Ref. No.	Part No.	Part Name	Remarks	
C457,458	254 4254 938	Electrolytic 47µF/16V	CE04W1C470M	
C459,460	255 1264 908	Plastic Film 0.001 µF/50V	CQ93M1H102J(B)	
C481,462	256 1034 995	Metalized 0.15uF/50V	CF93A1H154J	
C463,464	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	
C465,466	255 1264 937	Plastic Film 0.0018µF/50V	CQ93M1H182J(B)	
		· ·	CQ93M1H123J(B)	
C467,468	255 1265 949	Plastic Film 0.012µF/50V	' '	
C469,470	256 1034 953	Metalized 0.068µF/50V	CF93A1H683J	
C471,472	254 4260 935	Electrolytic 0.47µF/50V	CE04W1HR47M	
C473	253 9038 907	BC Ceramic 0.047µF/50V	CK45=1H473Z	
C474	255 1265 978	Plastic Film 0.022µF/50V	CQ93M1H223J(8)	
C480	254 4260 980	Electrolytic 10µF/50V	CE04W1H100M	
C481	254 4260 993	Electrolytic 22µF/50V	CE04W1H220M	
C482	254 4250 945	Electrolytic 330µF/6.3V	CE04W0J331M	
C801	254 4250 783	Electrolytic 3300µF/6.3V	CE04W0J332MC	
C802,803	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103Z	
C804	254 4250 932	Electrolytic 220µF/6.3V	CE04W0J221M	
C805	256 1034 982	Metalized 0.12µF/50V	CF93A1H124J	
C812	254 4258 905	Electrolytic 4.7u F/35V	CE04W1V4R7M	
C813	255 1265 936	Plastic Film 0.01µF/50V	CQ93M1H103J(B)	
0010	200 1200 000	I Idadio I IIII o o igni io o i	0.000	
OTHER C	ROUP	<u> </u>		Q'ty
	_	(P.W.Board)		1
L301,302	235 0104 007	Inductor 1µH		2
L401	235 0104 007	Inductor 1µH		1
FIL480	214 0167 005	Relay(G5Z-2A)		1
FIL481	214 9003 005	Relay		1
RL482	214 0162 000	Relay(A12W-K)		1
			COTI CAMONICALION	
X T 801	399 0191 903	Ceramic Resonator	CST4.00MGW19MGW	1
	204 8354 004	Headphone Jack		
	205 0846 005	6P Push Terminal	i Front	1
	205 0255 007	Terminal		3
	203 0233 001	10111111111111111111111111111111111111		
	415 0309 013	P.V.C. Tube(L=10)		6
_				_
TP	205 0190 036	3P NH Conn. Base		3
CN3A	205 0343 032	3P Conn. Base(KR-PH)	f	2
CN4A	205 0343 045	4P Conn. Base(KR-PH)	į	1
CN11A	205 0375 013	11P Conn. Base(KR-PH)		1
CN6A	205 0696 064	JL Connector(BT-E)		1
CN6B	205 0696 064	JL Connector(BT-E)		1
CN6C	205 0696 064	JL Connector(BT-E)		1
CN6D	205 0330 003	6P MQ-ST Conn. Base		i
		8P MQ-ST Conn. Base		1
CN8A	205 0330 029			
CN9A	205 0330 045	9P MQ-ST Conn. Base		1
CN10A	205 0330 058	10P MQ-ST Conn. Base	i	1
CN12A	205 0375 026	12P Conn. Base(KR-PH)		1
CN12B	205 0330 016	12P MQ-ST Conn. Base		1
	İ			
	!			

Ref. No.	Part No.	Part Name	Remarks
SEMICON	IDUCTORS	·	
D313-316	276 0616 907	Diode 1SS252	Delete
CAPACIT	ORS GROU	<u> </u>	
C314	253 1146 907	Ceramic 0.01µF/50V	Add
C316	253 1146 907	Ceramic 0.01µF/50V	Add
C357,358	255 1264 982	Plastic Film 0.0047µF/50V	Add
C360	255 1264 982	Plastic Film 0.0047µF/50V	Add

1U-2651 REAR AMP. UNIT ASS'Y (U.S.A. and Canada models)

Ref. No.	Part No.	Part Name	Remarks
SEMICON	DUCTORS		
IC501,502	263 0855 005	IC SI-18752	
IC503	263 0801 004	IC NJM7812FA(S)	Regulator +12V
1C504	263 0641 002	IC NJM7912FA	Regulator -12V
IC505,506	268 0074 904	IC ICP-N20	IC Protector 20V
IC551	263 0793 002	IC NJM7806FA(S)	Regulator +6V
IC552	268 0073 905	IC ICP-N15	IC Protector 15V
IC601	262 1873 009	IC BU4066BC	
IC701	i 499 0150 008	IC SBX1610-52	Remocon Receiver
IC701	262 1564 004	IC MSC1937-01	u-com
10702	202 1004 004	10 mgc 1901-01	μ τοι
TDEE1 650	273 0388 906	Transistor 2SC1740S(E)	
-	į.	Transistor 2SC1815(BL)	
TR601,602	1-1-	Transistor 2SA1015(GR)	
TR603,604		Transistor DTC143ES	Built in Resistor
TR605	269 0018 905	Iransister DTC 143ES	Dula III Nesistoi
D-04	070 0040 007	Diada 4800ED	l i
D501	276 0616 907	Diode 1SS252	Bridge
<u>\</u> D502	276 0305 001	Diode S4VB20	Light 1965 Share and Light Link
D551	276 0616 907	Diode 1SS252	
D552~567	276 0553 905	Diode 1SR35-200A	
D601~603	276 0616 907	Diode 1S\$252	ŀ
	ļ		1
ZD551	276 0465 909	Zener Diode HZS7B-1	7V
ZD701	276 0467 907	Zener Diode HZS9A-1	9V
LD701	393 9434 906	LED SEL1210S	Red
	ļ		
FL701	393 4131 000	FLD Ass'y FiP14PM8	
		in the state of File	I FO/ # Id IM Tone
		(Not included Carbon Film	
		ic Diagram for those Part	s.)
Refer to		ic Diagram for those Part	s.)
Refer to	the Schemat	ic Diagram for those Part Metal Oxide 4.70hm 1 W(NB) Carbon Film 10hm 1/4 W(NB)	s.)
Refer to A R509,510 R513	244 2051 987	ic Diagram for those Part Metal Oxide 4.7ohm 1 W(NB) Carbon Film 1chm 1/4 W(NB)	s.) RS14B3A4R7JNBS(S
Refer to 外 R509,510 外 R513 外 R556	244 2051 987 241 2387 908	ic Diagram for those Part Metal Oxide 4.70hm 1 W(NB) Carbon Film 10hm 1/4 W(NB)	s.) R614B3A4F7JNBS(S RD14B2E010JNBS RD14B2E200JNBS
Refer to A R509,510 A R513 A R556 A R557	244 2051 987 241 2987 908 241 2375 978	ic Diagram for those Part: Metal Oxide 4.7ohm 1 W(NB) Carbon Film 1ohm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB)	s.) R614B3A4F7JNBS(S RD14B2E010JNBS RD14B2E200JNBS
Refer to A R509,510 A R513 A R556 A R557 A R624	244 2051 987 241 2387 908 241 2375 978 242 0073 000 241 2375 907	ic Diagram for those Parts Metal Oxide 4.7ohm 1 W(NB) Carbon Film 1ohm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB)	S.) RS14B3A4R7JNBS(S RD14B2E010JNBS RD14B2E200JNBS RC05GF2H225K
Refer to A R509,510 A R513 A R556 A R557 A R624 A R625	244 2051 987 241 2387 908 241 2375 978 242 0073 000 241 2375 907 241 2387 908	ic Diagram for those Part Metal Oxide 4.7ohm 1 W(NB) Carbon Film 1ohm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W	S.) RS14B3A4R7JNBS(S RD14B2E010JNBS RD14B2E200JNBS RC05GF2H225K RD14B2E100JNBS
Refer to A R509,510 A R513 A R556 A R557 A R624 A R625	244 2051 987 241 2387 908 241 2375 978 242 0073 000 241 2375 907	ic Diagram for those Parts Metal Oxide 4.7ohm 1 W(NB) Carbon Film 1ohm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB) Carbon Film 1ohm 1/4 W(NB)	S.) RS1483A4R7JNBS(S RD1482E010JNBS RD1482E200JNBS RC05GF2H225K RD1482E100JNBS RD1482E010JNBS
Refer to ↑ R509,510 ↑ R513 ↑ R556 ↑ R557 ↑ R624 ↑ R625 ↑ R626	244 2051 987 241 2387 908 241 2375 978 242 2073 900 241 2375 907 241 2387 908 241 2387 908	Metal Oxide 4.7 ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 20hm 1/4 W(NB) Carbon Composit 2.2 Mohm 1/2 W Carbon Film 10hm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7 ohm 1/4 W(NB)	RS14B3A4R7JNBS(S RD14B2E010JNBS RD14B2E200JNBS RC05GF2H225K RD14B2E100JNBS RD14B2E010JNBS
Refer to A R509,510 A R513 A R556 A R557 A R624 A R625 A R626	244 2051 987 241 2387 908 241 2375 978 242 0073 000 241 2375 907 241 2387 908	Metal Oxide 4.7 ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 20hm 1/4 W(NB) Carbon Composit 2.2 Mohm 1/2 W Carbon Film 10hm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7 ohm 1/4 W(NB)	S.) RS1483A4R7JNBS(S RD1482E010JNBS RD1482E200JNBS RC05GF2H225K RD1482E100JNBS RD1482E010JNBS
Refer to A R509,510 A R513 A R556 A R557 A R624 A R625 A R626	244 2051 987 241 2387 908 241 2375 978 242 2073 900 241 2375 907 241 2387 908 241 2387 908	ic Diagram for those Part Metal Oxide 4.7ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB)	S.) RS1483A4R7JNBS(S RD1482E010JNBS RD1482E200JNBS RC05GF2H225K RD1482E100JNBS RD1482E010JNBS
Refer to A R509,510 A R513 A R556 A R557 A R624 A R625 A R626 CAPACI	244 2051 987 241 2987 908 241 2987 978 242 2073 000 241 2375 907 241 2387 908 241 2387 940 TORS GROUJ	ic Diagram for those Parts Metal Oxide 4.7ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB)	S.) RS14B3A4R7JNBS(S RD14B2E010JNBS RD14B2E200JNBS RO56F2H225K RD14B2E100JNBS RD14B2E010JNBS RD14B2E4R7JNBS
Refer to A R509,510 A R513 A R556 A R557 A R624 A R625 A R626 CAPACI C501,502 C503,504	244 2051 987 241 2887 908 241 2875 978 242 2073 000 241 2375 907 241 2387 908 241 2387 940 FORS GROU 253 1179 903 254 4260 951	ic Diagram for those Part Metal Oxide 4.7ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB)	RS14B3A4R7JNBS(S RD14B2E010JNBS RD14B2E200JNBS RD14B2E200JNBS RD14B2E100JNBS RD14B2E010JNBS RD14B2E4R7JNBS
Refer to A R509,510 A R513 A R556 A R557 A R624 A R625 A R626 CAPACI C501,502 C503,504 C505,506	244 2051 987 241 2987 908 241 2987 978 242 2073 000 241 2375 907 241 2387 908 241 2387 940 CORS GROU 253 1179 903 254 4260 951 254 4254 938	ic Diagram for those Part Metal Oxide 4.7ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V	RS1483A4R7JNBS(S RD1482E010JNBS RD1482E200JNBS RD1482E200JNBS RD1482E100JNBS RD1482E100JNBS RD1482E4R7JNBS
Refer to A R509,510 A R513 A R556 A R557 A R624 A R625 A R626 CAPACI C501,502 C503,504 C507,508	244 2051 987 241 2387 908 241 2375 978 242 0073 000 241 2375 907 241 2387 908 241 2387 940 CORS GROU 253 1179 903 254 4260 951 254 4254 938 254 4260 948	ic Diagram for those Parts Metal Oxide 4.7ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2μF/50V Electrolytic 47μF/16V	S.) RS1483A4R7JNBS(S RD1482E010JNBS RD1482E200JNBS RC05GF2H225K RD1482E100JNBS RD1482E4R7JNBS CK45B1H101K CE04W1H2R2M CE04W1C470M
Refer to A R509,510 A R513 A R556 A R557 A R624 A R625 CAPACI C501,502 C503,504 C507,508 C511,512	244 2051 987 241 2387 908 241 2375 978 242 0073 000 241 2375 907 241 2387 940 CORS GROU 253 1179 903 254 4260 951 254 4260 948 256 1034 979	ic Diagram for those Part Matal Oxide 4.7ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) P Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 47µF/16V Electrolytic 1µF/50V Metalized 0.1µF/50V	S.) RS1483A4R7JNBS(S RD1482E010JNBS RD1482E200JNBS RC05GF2H225K RD1482E100JNBS RD1482E4R7JNBS CK45B1H101K CE04W1H2R2M CE04W1C470M CE04W1H010M
Refer to A R509,510 A R513 A R556 A R557 A R624 A R625 CAPACI C501,502 C503,504 C505,506 C507,508 C511,512 C513,514	244 2051 987 241 2987 908 241 2987 978 242 2073 900 241 2375 907 241 2387 908 241 2387 940 CORS GROU 253 1179 903 254 4260 951 254 4260 948 256 1034 979 253 1146 907	ic Diagram for those Part Metal Oxide 4.7ohm 1 W(NB) Carbon Film 16hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 14 W(NB) Carbon Film 14 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 47µF/16V Electrolytic 47µF/16V Electrolytic 1µF/50V Metalized 0.1µF/50V Ceramic 0.01µF/50V	RS1483A4R7JNBS(S RD1482E010JNBS RD1482E200JNBS RD1482E200JNBS RD1482E100JNBS RD1482E100JNBS RD1482E4R7JNBS CK45B1H101K CE04W1H2R2M CE04W1H2R2M CE04W1H2R0M CE04W1H010M CF93A1H104J
Refer to A R509,510 A R513 A R556 A R624 A R625 A R626 CAPACI C501,502 C503,504 C505,506 C507,508 C511,512 C513,514 C517,518	244 2051 987 241 2387 908 241 2375 978 242 0073 000 241 2387 908 241 2387 908 241 2387 940 CORS GROUI 253 1179 903 254 4260 951 254 4254 938 254 4269 948 256 1034 979 253 1146 907 254 4259 713	ic Diagram for those Part Metal Oxide 4.7ohm 1 W(NB) Carbon Film 16hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 1.0hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 47µF/16V Electrolytic 1µF/50V Metalized 0.1µF/50V Ceramic 0.01µF/50V Electrolytic 3300µF/35V	RS14B3A4R7JNBS(S RD14B2E010JNBS RD14B2E200JNBS RD14B2E200JNBS RD14B2E100JNBS RD14B2E010JNBS RD14B2E4R7JNBS CK45B1H101K CE04W1H2R2M CE04W1H2R2M CE04W1H010M CF93A1H104J CK45F1H103Z CE04W1V332MC
Refer to A R509,510 A R513 A R556 A R557 A R624 A R625 CAPACI C501,502 C503,504 C505,506 C507,508 C511,512 C513,514 C517,518 C519,520	244 2051 987 241 2387 908 241 2375 978 242 2073 000 241 2375 907 241 2387 908 241 2387 940 CORS GROUI 253 1179 903 254 4260 951 254 4254 938 254 4264 938 256 1034 979 253 1146 907 254 4259 713 253 1146 907	ic Diagram for those Part Metal Oxide 4.7ohm 1 W(NB) Carbon Film 16hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 1.0hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 4.7µF/16V Electrolytic 1µF/50V Metalized 0.1µF/50V Ceramic 0.01µF/50V Electrolytic 3300µF/35V Ceramic 0.01µF/50V	RS14B3A4R7JNBS(S RD14B2E010JNBS RD14B2E200JNBS RD14B2E200JNBS RD14B2E100JNBS RD14B2E100JNBS RD14B2E4R7JNBS CK45B1H101K CE04W1H2R2M CE04W1H2R2M CE04W1H010M CF93A1H104J CK45F1H103Z CE04W1V332MC CK45F1H103Z
Refer to A R509,510 A R513 A R556 A R557 A R624 A R625 CAPACI C501,502 C503,504 C505,506 C511,512 C513,514 C517,518 C519,520 C521,522	244 2051 987 241 2387 908 241 2375 978 242 2073 000 241 2375 907 241 2387 908 241 2387 940 CORS GROUS 253 1179 903 254 4260 951 254 4269 951 254 4269 948 256 1034 979 253 1146 907 254 4258 918	ic Diagram for those Part Metal Oxide 4.7ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 20hm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 1.0hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 1µF/50V Metalized 0.1µF/50V Ceramic 0.01µF/50V Electrolytic 3300µF/35V Ceramic 0.01µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V	RS14B3A4R7JNBS(S RD14B2E010JNBS RD14B2E200JNBS RD14B2E100JNBS RD14B2E100JNBS RD14B2E100JNBS RD14B2E4R7JNBS CK45B1H101K CE04W1H2R2M CE04W1H2R2M CE04W1H010M CF93A1H104J CK45F1H103Z CE04W1V332MC CK45F1H103Z CE04W1V100M
Refer to A R509,510 A R513 A R556 A R557 A R624 A R625 A R626 CAPACI C501,502 C503,504 C507,508 C511,512 C513,514 C517,518 C519,520 C521,522 C524	244 2051 987 241 2387 908 241 2375 978 242 2073 000 241 2375 907 241 2387 908 241 2387 940 CORS GROU! 253 1179 903 254 4260 951 254 4269 938 254 4260 948 256 1034 979 253 1146 907 254 4258 918 256 1042 903	ic Diagram for those Part Metal Oxide 4.7ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 1µF/50V Metalized 0.1µF/50V Ceramic 0.01µF/50V Electrolytic 3300µF/35V Ceramic 0.01µF/50V Electrolytic 10µF/35V Metalized 0.1µF/50V Electrolytic 10µF/35V Metalized 0.1µF/50V	RS14B3A4R7JNBS(S RD14B2E010JNBS RD14B2E200JNBS RD14B2E100JNBS RD14B2E100JNBS RD14B2E100JNBS RD14B2E4R7JNBS RD14B2E4R7JNBS CK45B1H101K CE04W1H2R2M CE04W1H2R2M CE04W1H010M CF93A1H104J CK45F1H103Z CE04W1V332MC CK45F1H103Z CE04W1V100M CF93A2E104K
Refer to A R509,510 A R513 A R556 A R557 A R624 A R625 A R626 CAPACI C501,502 C503,504 C507,508 C511,512 C513,514 C517,518 C519,520 C521,522 C524 C526	244 2051 987 241 2387 908 241 2375 978 242 2073 000 241 2375 907 241 2387 908 241 2387 908 241 2387 940 CORS GROUJ 253 1179 903 254 4260 951 254 4254 938 254 4260 948 256 1034 979 253 1146 907 254 4258 918 256 1042 903 253 1146 907	ic Diagram for those Part Metal Oxide 4.7ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2μF/50V Electrolytic 1μF/50V Metalized 0.1μF/50V Ceramic 0.01μF/50V Electrolytic 10μF/35V Ceramic 0.01μF/50V Electrolytic 10μF/35V Metalized 0.1μF/50V Ceramic 0.01μF/50V Ceramic 0.01μF/50V Ceramic 0.01μF/50V	RS1483A4R7JNBS(S RD1482E010JNBS RD1482E200JNBS RD1482E200JNBS RD1482E100JNBS RD1482E100JNBS RD1482E100JNBS RD1482E4R7JNBS CK4581H101K CE04W1H2R2M CE04W1H2R2M CE04W1H010M CF93A1H104J CK45F1H103Z CE04W1V332MC CK45F1H103Z CE04W1V100M CF93A2E104K CK45F1H103Z
Refer to A R509,510 A R513 A R556 A R557 A R624 A R625 CAPACI C501,502 C503,504 C507,508 C511,512 C513,514 C519,520 C521,522 C524 C526 C551	244 2051 987 241 2387 908 241 2375 978 242 2073 000 241 2375 907 241 2387 908 241 2387 908 241 2387 940 CORS GROUJ 253 1179 903 254 4260 951 254 4254 938 254 4260 948 256 1034 979 253 1146 907 254 4258 918 256 1042 903 253 1146 907 253 1146 907 253 1146 907 253 1146 907 253 1146 907 253 1146 907 253 1146 907	ic Diagram for those Part Metal Oxide 4.7ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2μF/50V Electrolytic 47μF/16V Electrolytic 1μF/50V Metalized 0.1μF/50V Ceramic 0.01μF/50V Electrolytic 10μF/35V Metalized 0.1μF/50V Ceramic 0.01μF/50V	RS1483A4R7JNBS(S RD1482E010JNBS RD1482E200JNBS RD1482E200JNBS RD1482E100JNBS RD1482E100JNBS RD1482E100JNBS RD1482E4R7JNBS CK4581H101K CE04W1H2R2M CE04W1H2R2M CE04W1H2R2M CE04W1H010M CF93A1H104J CK45F1H103Z CE04W1V332MC CK45F1H103Z CE04W1V100M CF93A2E104K CK45F1H103Z CK45F1H103Z CK45F1H103Z
Refer to A R509,510 A R513 A R556 A R557 A R624 A R625 CAPACI C501,502 C503,504 C505,506 C507,508 C511,512 C513,514 C519,520 C521,522 C524 C526 C551 C552	244 2051 987 241 2387 908 241 2375 978 242 2073 000 241 2375 907 241 2387 908 241 2387 908 241 2387 940 CORS GROUJ 253 1179 903 254 4260 951 254 4254 938 254 4260 948 256 1034 979 253 1146 907 254 4258 918 256 1042 903 253 1146 907 253 1146 907 253 1146 907 253 1146 907 253 1146 907 253 1146 907 253 1146 907 253 1146 907 253 1146 907 253 1146 907 253 1146 907 254 4254 909	ic Diagram for those Part Metal Oxide 4.7ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2μF/50V Electrolytic 47μF/16V Electrolytic 1μF/50V Metalized 0.1μF/50V Ceramic 0.01μF/50V Electrolytic 10μF/35V Metalized 0.1μF/50V Ceramic 0.01μF/50V Electrolytic 10μF/35V Metalized 0.1μF/50V Ceramic 0.01μF/50V Electrolytic 10μF/35V Metalized 0.1μF/50V Electrolytic 10μF/50V Electrolytic 10μF/50V Electrolytic 10μF/50V Electrolytic 10μF/50V Electrolytic 10μF/50V	RS1483A4R7JNBS(S RD1482E010JNBS RD1482E200JNBS RD1482E100JNBS RD1482E100JNBS RD1482E100JNBS RD1482E010JNBS RD1482E4R7JNBS CK45B1H101K CE04W1H2R2M CE04W1H2R2M CE04W1H2R2M CE04W1H010M CF93A1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z
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Refer to A R509,510 A R513 A R557 A R624 A R625 A R626 CAPACI C501,502 C503,504 C505,506 C511,512 C513,514 C517,518 C519,520 C521,522 C524 C526 C551 C552 C554 C555 C556 C556	244 2051 987 241 2387 908 241 2375 978 242 2073 000 241 2375 907 241 2387 908 241 2387 908 241 2387 940 CORS GROUI 253 1179 903 254 4260 951 254 4254 938 254 4260 948 256 1034 979 253 1146 907 254 4259 713 253 1146 907 254 4259 918 256 1042 903 253 1146 907 254 4254 909 253 1146 907 254 4254 909 254 4256 790 253 1146 907 254 4256 948 254 4256 948 254 4256 948 254 8014 702	Ic Diagram for those Part Metal Oxide 4.7ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 20hm 1/4 W(NB) Carbon Film 20hm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 1.0hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 1µF/50V Metalized 0.1µF/50V Electrolytic 3300µF/35V Ceramic 0.01µF/50V Electrolytic 10µF/35V Metalized 0.1µF/50V Ceramic 0.01µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Electrolytic 2200µF/25V Ceramic 0.01µF/50V Electrolytic 2200µF/25V Ceramic 0.01µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V	RS14B3A4R7JNBS(S RD14B2E010JNBS RD14B2E200JNBS RD14B2E200JNBS RD14B2E100JNBS RD14B2E100JNBS RD14B2E4R7JNBS RD14B2E4R7JNBS CK45B1H101K CE04W1H2R2M CE04W1H2R2M CE04W1H010M CF93A1H104J CK45F1H103Z CE04W1V100M CF93A2E104K CK45F1H103Z
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Refer to ↑ R509,510 ↑ R513 ↑ R556 ↑ R557 ↑ R624 ↑ R625 ↑ R626 CAPACI C501,502 C503,504 C505,506 C511,512 C513,514 C517,518 C519,520 C521,522 C524 C526 C551 C552 C554 C555 C556,557 C558	244 2051 987 241 2387 908 241 2375 978 242 2073 000 241 2375 907 241 2387 908 241 2387 908 241 2387 940 CORS GROUI 253 1179 903 254 4260 951 254 4254 938 254 4260 948 256 1034 979 253 1146 907 254 4259 713 253 1146 907 254 4259 918 256 1042 903 253 1146 907 254 4254 909 253 1146 907 254 4254 909 254 4256 790 253 1146 907 254 4256 948 254 4256 948 254 4256 948 254 8014 702	ic Diagram for those Part Metal Oxide 4.7ohm 1 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 20hm 1/4 W(NB) Carbon Film 20hm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 1.0hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 2.2µF/50V Electrolytic 1µF/50V Ceramic 0.01µF/50V Electrolytic 10µF/35V Metalized 0.1µF/50V Ceramic 0.01µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Electrolytic 2200µF/25V Ceramic 0.01µF/50V Electrolytic 1µF/50V	RS14B3A4R7JNBS(S RD14B2E010JNBS RD14B2E200JNBS RD14B2E200JNBS RD14B2E100JNBS RD14B2E100JNBS RD14B2E4R7JNBS RD14B2E4R7JNBS CK45B1H101K CE04W1H2R2M CE04W1H2R2M CE04W1H010M CF93A1H104J CK45F1H103Z CE04W1V100M CF93A2E104K CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CE04W1H010M CK45F2GAC103M0 CK45F2GAC103M0 CE04W1H010M CK45F2GAC103M0 CE04W1H010M
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Ref. No.	Part No.	Part Name	Remarks	
C609	254 4254 776	Electrolytic 470μF/16V	CE04W1C471M	
C610,611	254 4252 079	Electrolytic 1000µF/10V	CE04W1A102M	
C701	256 1034 979	Metalized 0.1µF/50V	CF93A1H104J	
C702	254 4261 921	Electrolytic 100µF/50V	CE04W1H101M	- 1
C703	254 4250 945	Electrolytic 330µF/6.3V	CE04W0J331M	
OTHER G	ROUP			Q'ty
		(P.W.Board)		1
L501,502	235 0104 007	Inductor t µH		2
L701	235 0060 989	Indictor 120µH		1
FIL501	214 0167 005	Relay(G5Z-2A)	Rear	
A RL551	214 0170 005	Relay(TV-8)		
	20,730320 accustor - 977 mm.			
S701~721	212 5604 910	\		21
No obstankling	202 0040 909		nachana a sakai daya	6 Laternation
 		AC Outlet(2 P)		
	233 6073 000	Power Trans(Mini)		in Lo
A Fan	nie inte and	Fuse 6.3 A(UL) 20 mm	Euca Dri	
/∆ F003,004	216 1046 001			2
VI L009'00±	210.1040.021	Fuse 5 A	1.000	ertā.
	204 8442 000	4P Pin Jack(C-GND)	Video	1
	205 0592 003	4P Push Terminal	Rear	1
CN4A	205 0343 045	4P Conn. Base(KR-PH)		1
CN11A	204 6469 001	11P PH-SAN Conn. Cord	[i	1
CN12A	204 6470 003	12P PH-SAN Conn. Cord	1	1
	205 0075 025	2P Terminal		1

1U-2651B REAR AMP. UNIT ASS'Y (Europe model) [Same as 1U-2651 (for U.S.A. and Canada models) except the followings.]

Ref. No. Part No. Part Name Remarks RESISTORS GROUP Delete R557 242 0073 000 Garbon Composit 2.2Mohm CAPACITORS GROUP Ceramic 100pF/50V C501.502 253 1179 903 Add C531,532 253 1179 903 Ceramic 100pF/50V Add OTHER GROUP 203 3941 008 AC Outlet (2P) Delete Power Trans (Mini) Change 233 6058 012 <u>^</u> 233 6058 012 <u>^</u> F001 205 1015 032 <u>^</u> F003,004: 216 1046 027 Fuse (2.5A) Change Füse 5A Delete 202 0040 909 Fuse Clip (4) Change 205 0692 000 2P Wrapping Terminal Add

1U-2652 SURROUND UNIT ASS'Y (U.S.A. and Canada models)

Part No.	Part Name	Remarks
DUCTORS		
263 0891 001	IC LA1265(S)	
,		
		i
263 0672 903	IC BA4558F	
262 0625 009	IC TC9176P	
263 0672 903	IC BA4558F	
263 0905 900	IC BA6208F	
273 0411 909	Transistor 2SC2996-Y	
	Transistor RN2402	Built in Resistor
	Transistor 2SC2712-Y/GR	
		Built in Resistor
		Built in Resistor
		Built in Resistor
		Built in Resistor Built in Resistor
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		Built in Resistor
	· ·	
		Bulit in Resistor
274 0169 908	Transistor 2SD1292(R)	
276 0616 907	Diode 1\$\$252	
276 0616 907	Diode tSS252	
276 0616 907	Diode 1SS252	
276 0616 907	Diode 1SS252	
276 0462 902	Zener Diode HZS68-1	6V
	(N. 4.) and and Construct Fi	L. 150/ 1/4 M Tuno
	•	RM73B102J
	•	RM73B39OJ
	•	RM738102J
		RM73B472J
• • • • • • •		RM73B331J
	'	RM738221J
247 0008 902	·	RM73B182J
247 0006 920		RM73B331 J
247 0005 905	Chip Carbon 100ohm 1/10W	RM73B101J
247 0009 969	Chip Carbon 8.2kohm 1/10W	RM73B822J
247 0008 986	Chip Carbon 3.9kohm 1/10W	RM73B392J
247 0006 946	Chip Carbon 390ohm 1/10W	RM73B391J
247 0005 947		RM73B151J
247 0005 921	Chip Carbon 120ohm 1/10W	RM73B121 J
į	'	PM73B153J
247 0005 921	· .	AM73B121 J
	'	RM73B183J
;	'	PM73BOROK
		RM73B682J
		RM73B103J
_	Chip Carbon 3.3konm 1/10W Chip Carbon 9.1kohm 1/10W	RM738332J RM738912J
247 0009 972	·	
247 0009 972 247 0011 986	Chip Carbon 68kohm 1/10W	RM73B6833J
	263 0891 001 263 0439 007 263 0791 907 216 0064 007 263 0672 903 262 1228 007 263 0672 903 263 0906 006 262 1874 008 262 1875 900 263 0672 903 269 0645 909 269 0064 901 269 0064 901 273 0384 900 269 0064 901 274 0169 908 276 0616 907	263 0891 001 IC LA1265(S) IC LA3401 IC LA3401 IC LA7001M Front End Ed3 0672 903 IC BA4558F IC DA4558F IC BU40668CF IC BU40669CF IC BU4069CF I

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
R030,031	247 0011 973	Chip Carbon 62kohm 1/10W	RM73B-623J	R239,240	247 0005 905	Chip Carbon 100ohm 1/10W	RM73B101J
R032	247 0012 927	Chip Carbon 100kohm 1/10W	RM73B104J	R241,242	247 0006 962	Chip Carbon 470ohm 1/10W	RM73B471J
H033,034	247 0012 943	Chip Carbon 120kohm 1/10W	RM73B124J	R251,252	247 0008 928	Chip Carbon 2.2kohm 1/10W	RM73B222J
R035	247 0012 927	Chip Carbon 100kohm 1/10W	RM73B104J	R253,254	247 0009 901	Chip Carbon 4.7kohrn 1/10W	RM73B472J
R036	247 0008 960	Chip Carbon 3.3kohm 1/10W	RM73B332J	R261,262	247 0012 927	Chip Carbon 100kohm 1/10W	RM73B104J
R037,038	247 0012 927	Chip Carbon 100kohm 1/10W	RM738104J	R263,264	247 0013 900	Chip Carbon 220kohm 1/10W	RM73B224J
R039,040	247 0008 960	Chip Carbon 3.3kohm 1/10W	AM738-332J	Fl265,266	247 0007 945	Chip Carbon 1kohm 1/10W	PM73B102J
R041,042	247 0009 943	Chip Carbon 6.8kohm 1/10W	RM73B682J	A267,268	247 0008 960	Chip Carbon 3.3kohm 1/10W	RM73B332J
R043	247 0010 961	Chip Carbon 22kohm 1/10W	ПМ73B223J	R269,270	247 0005 905	Chip Carbon 100ohm 1/10W	FIM73B101J
R044,045	247 0009 985	Chip Carbon 10kohm 1/10W	RM73B103J	R271	247 0013 984	Chip Carbon 470kohm 1/10W	RM73B474J
P046	247 0009 927	Chip Carbon 5.6kohm 1/10W	RM73B562J	R272	247 0005 905	Chip Carbon 100ohm 1/10W	RM73B101J
R047	247 0009 985	Chip Carbon 10kohm 1/10W	RM73B103J	R273	247 0007 945	Chip Carbon 1kohm 1/10W	RM73B102J
R050	247 0005 905	Chip Carbon 100ohm 1/10W	RM73B101J	R274	247 0009 927	Chip Carbon 5.6kohm 1/10W	RM73B562J RM73B101J
Fl051,052	247 0012 927	Chip Carbon 100kohm 1/10W	AM73B104J	R275,276	247 0005 905	Chip Carbon 100ohm 1/10W	RM73B103J
R072	247 1018 904	Chip Carbon 0ohm 1/8W	RM73B2B0R0K	R277,278	247 0009 985	Chip Carbon 10kohm 1/10W Chip Carbon 470kohm 1/10W	PM73B474J
F1080	247 1018 904	Chip Carbon Cohm 1/8W	RM73B2B0R0K	R279	247 0013 984 247 0007 945	Chip Carbon 1kohm 1/10W	HM738102J
R082,083	247 1018 904	Chip Carbon Oohm 1/8W	RM73B2B0R0K	R280	247 0007 943	Chip Carbon 5.6kohm 1/10W	RM73B562J
R084	247 0018 905	Chip Carbon Oohm 1/10W	RM73BOROK	R281	247 0009 927	Chip Carbon 100ohm 1/10W	RM73B101J
R085-092	247 1018 904	Chip Carbon Oohm 1/8W	RM73B2B0R0K	R282	247 0003 303	Cap Caroun roccium a rote	TUVITOD 10 IU
R094	247 1018 904	Chip Carbon John 1/8W	RM73B2B0R0K RM73B2B0R0K	VR261	211 0802 002	Variable Resister 100kohm	! L
R096~098	247 1018 904	Chip Carbon 0ohm 1/8W Chip Carbon 390ohm 1/10W	RM73B391J	VUZ01	211 0002 002	Fandard Library Louise 11	:
R101,102	247 0006 946	Chip Carbon 68kohm 1/10W	RM73B683J			<u></u>	<u> </u>
R103,104 R105,106	247 0011 986	Chip Carbon 150kohm 1/10W	RM73B154J	CAPACIT	ORS GROUP	·	
R105,106	247 0012 909	Chip Carbon 47ohm 1/10W	RM73B470J	C001	257 0012 966	Chip Ceramic 0.01 uF/50V	CK73F1H103Z
R109,110	247 0007 945	Chip Garbon 1kohm 1/10W	RM73B102J	C004	257 0002 947	Chip Ceramic 12pF/50V	CC73SL1H120J
R111,112	247 0007 343	Chip Carbon 560kohm 1/10W	RM73B564J	C005	254 4254 909	Electrolytic 10uF/16V	CE04W1C100W
R113,114	247 0014 903	Chip Carbon 47kohm 1/10W	RM73B473J	C007,008	257 0012 966	Chip Ceramic 0.01 µF/50V	CK73F1H103Z
A115.116	247 0003 949	Chip Carbon 22ohm 1/10W	RM73B220J	C011	254 3056 917	Electrolytic 1µF/50V	CE04D1H010MBP
R117,118	247 0005 905	Chip Carbon 100ohm 1/10W	RM73B101J	1		(Bipole)	
A119,120	247 0013 984	Chip Carbon 470kohm 1/10W	RM73B474J	C012	254 4254 938	Electrolytic 47µF/16V	CE04W1C470VI
R121~132	247 0015 966	Chip Carbon 2.7Mohm 1/10W	RM738275J	C013	254 4260 906	Electrolytic 0.1 µF/50V	CE04W1H0R1M
R133-144	247 0006 962	Chip Carbon 470ohm 1/10W	AM73B471J	C014	257 0012 982	Chip Ceramic 0.022µF/50V	CK73F1H223Z
R145	247 0014 925	Chip Carbon 680kohm 1/10W	RM73B684J	C016	257 0004 961	Chip Ceramic 100pF/50V	CC73SL1H101J
R151,152	247 0006 962	Chip Carbon 470ohm 1/10W	RM73B471J	C017,018	257 0012 966	Chip Ceramic 0.01 μF/50V	CK73F1H103Z
R153,154	247 0011 973	Chip Carbon 62kohm 1/10W	RM73B623J	C019	254 4260 935	Electrolytic 0.47µF/50V	CE04W1HR47M
R155,156	247 0013 984	Chip Carbon 470konm 1/10W	RM73B474J	C020	254 4260 948	Electrolytic 1 µ F/50V	CE04W1H010M
R157~160	247 0005 905	Chip Carbon 100ohm 1/10W	RM73B101J	C021	254 4260 980	Electrolytic 10µF/50V	CE04W1H100W
A201	247 0009 956	Chip Carbon 7.5kohm 1/10W	RM73B752J	C022	257 0012 982	Chip Ceramic 0.022µF/50V	CK73F1H223Z
F1202	247 0011 944	Chip Carbon 47kohm 1/10W	RM73B473J	C023	257 0004 961	Chip Ceramic 100pF/50V	CC73SL1H101J
F1203	247 0010 929	Chip Carbon 15kohm 1/10W	RM73B153J	C024	256 1034 940	Metalized 0.056µF/50V	CF93A1H563J
R204	247 0009 956	Chip Carbon 7,5kohm 1/10W	RM73B752J	C025	254 4254 912	Electrolytic 22µF/16V	CE04W1C220V
R205	247 0011 944	Chip Carbon 47kohm 1/10W	RM73B473J	C027	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M
R206	247 0010 929	Chip Carbon 15kehm 1/10W	RM73B153J	C028	254 4260 948	Electrolytic 1µF/50V	CE04W1H010VI
A207	247 0016 923	Chip Carbon 4.7Mohm 1/10W	RM73B475J	C029	257 0012 966	Chip Ceramic 0.01µF/50V	CK73F1H103Z
R208,209	247 0011 960	Chip Carbon 56kohm 1/10W	RM73B563J	C033,034	257 0002 976	Chip Ceramic 16pF/50V	CC73SL1H16(J
R210	247 0012 927	Chip Carbon 100kohm 1/10W	RM73B104J	C035	256 1034 937	Metalized 0.047µF/50V	CF93A1H473J
FI211	247 0019 988	Chip Carbon 100kohm 1/10W	RM73B~104F(±1%)	C036,037	257 0012 966	Chip Ceramic 0.01µF/50V	CK73F1H1032
R212	247 0010 929	Chip Carbon 15kohm 1/10W	RM73B153J	C038	254 4254 938	Electrolytic 47µF/16V	CE04W1C470/J
R213	247 0009 969	Chip Carbon 8.2kohm 1/10W	RM73B822J	C039	257 0012 966	Chip Ceramic 0.01µF/50V Electrolytic 1µF/50V	CK73F1H1032
F1214	247 0010 929	Chip Carbon 15kohm 1/10W	RM73B153J	C040	254 4260 948	Electrolytic 141F/50V	CE04W1H010y CE04W1C470y
R215	247 0013 942	Chip Carbon 330kohm 1/10W	RM73B334J	C041	254 4254 938	Electrolytic 4/µF/16V	CE04W1H01Q4
R218~220	247 0011 944	Chip Carbon 47kohm 1/10W	RM73B473J	C042	254 4260 948 254 4260 919	Electrolytic 0.22µF/50V	CE04W1HR22M
R221~223	247 0009 969	Chip Carbon 8.2kohm 1/10W	RM73B822J	C043	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
R224	247 0014 967	Chip Carbon 1Mohm 1/10W	RM73B105J	C044 C045	257 0012 966	Chip Ceramic 0.01µF/50V	CK73F1H1032
R225	247 0010 929	Chip Carbon 15kohm 1/10W	RM73B153J RM73B183J	C045 C046,047	257 0012 966	Electrolytic 2.2µF/50V	CE04W1H2R2M
R226	247 0010 945	Chip Carbon 18kohm 1/10W Chip Carbon 15kohm 1/10W	RM73B153J	C048,047	254 4260 948	Electrolytic 1µF/50V	CE04W1H01CM
R227	247 0010 929	Chip Carbon 15konm 1/10W	RM73B200J	C049	257 0012 966	Chip Ceramic 0.01µF/50V	CK73F1H1032
R228,229	247 0003 936	Chip Carbon 7.5kohm 1/10W	RM73B752J	C051	254 4260 951	Electrolytic 2.2µF/50V	CE04W1H2R24
R230	247 0009 956	Chip Carbon 7.5kohm 1/10W	RM73B562J	C052	254 4254 909	Electrolytic 10µF/16V	GE04W1C100/.
R231 R232	247 0009 927	Chip Carbon 18kohm 1/10W	RM73B183J	C052 C053,054	257 0006 972	! ' '	CC73SL1H75U
R233~235	247 0010 945 247 0011 944	Chip Carbon 47kohm 1/10W	RM73B473J	C056,057	257 0012 966	Chip Ceramic 0.01µF/50V	CK73F1H103Z
A R236 €	247 0011 944			C059-061	257 0012 966	Chio Ceramic 0.01µF/50V	CK73F1H1032
R237	247 0007 945	Chip Carbon 1kohm 1/10W	RM73B102J	C063	254 4254 909	Electrolytic 10µF/16V	CE04W1C100/
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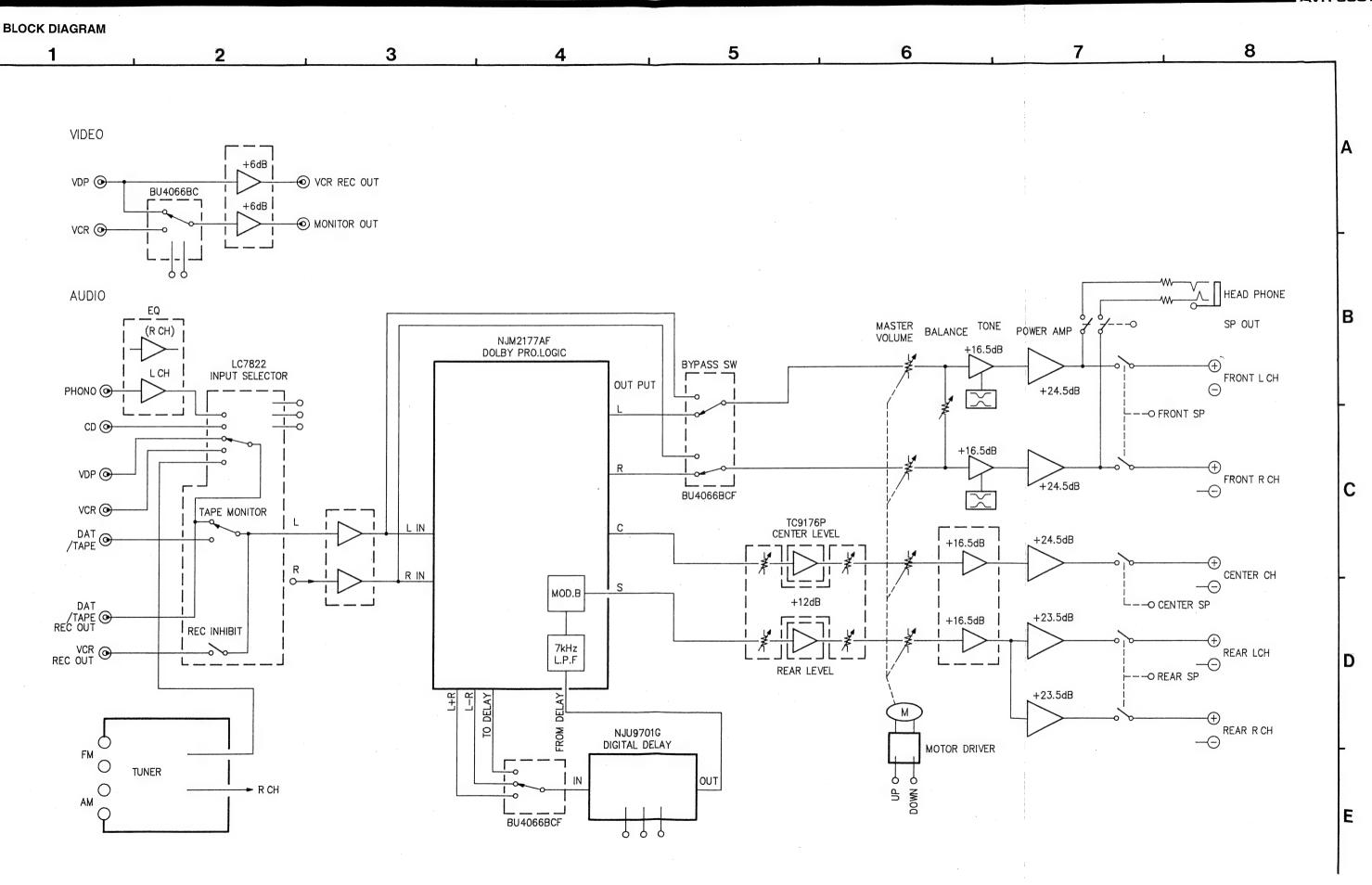
ef. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks	_
C065	257 0012 966	Chip Ceramic 0.01µF/50V	CK73F1H103Z	C276	254 3056 917	Electrolytic 1µF/50V	CE04D1H010M8P	,
C101,102	257 0005 944	Chip Ceramic 220pF/50V	CC73SL1H221J	11		(Bipole)		
2103,104	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M	C277	257 0012 966	Chip Ceramic 0.01 µF/50V	CK73F1H103Z	
0105,106	257 0004 961	Chip Ceramic 100pF/50V	CC73SL1H101J	C278	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	
0107,108	254 4254 925	Electrolytic 33µ F/16V	CE04W1G330M	C279	257 0012 966	Chip Ceramic 0.01 µF/50V	CK73F1H103Z	
C109,110	255 1264 995	Plastic Film 0.0056µF/50V	CQ93M1H562J(B)	11				
C111,112	257 0009 908	Chip Ceramic 1500pF/50V	CK73B1H152K	OTHER (GROUP			Τ
C113,114	257 0012 982	Chip Ceramic 0.022µF/50V	CK73F1H223Z		1			+
C115,116	254 4260 951	Electrolytic 2.2µF/50V	CE04W1H2R2M	li .		(P.W.Board)		
C133	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	II				
C136-138	257 0012 982	Chip Ceramic 0.022µF/50V	CK73F1H223Z	CF001	261 0135 907	Ceramic Filter MA8		
C139	257 0009 924	Chip Ceramic 2200pF/50V	CK73B1H222K	CF002	261 0136 906	Ceramic Filter MS2G		
C151,152	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M	CF003	261 0031 001	Ceramic Filter BFU450C4		
C153,154	257 0004 961	Chip Ceramic 100pF/50V	CC73SL1H101J	CF004	261 0079 005	Ceramic Filter CSB456F11		
C155,156	254 4260 948	Electrolytic 1uF/50V	CE04W1H010M	CF005	261 0116 007	Ceramic Filter SFU450B3		
C201,202	256 1034 979	Metalized 0.1µF/50V	CF93A1H104J	1	ADE 4040 400			
C203	257 0006 969	Chip Ceramic 680pF/50V	CC73SL1H681J	L201	235 0060 989	Inductor 120µH		
C204	256 1034 937	Metalized 0.47µF/50V	CF93A1H474J	II VTOO3	000 0076 000	Countral 7.0 UU-		
C205,206	256 1034 979	Metalized 0.1µF/50V	CF93A1H104J	XT001	399 0075 003	Crystal 7.2 MHz Ceramic Resonator	CSA2.00MG-TF01	.
C207	257 0006 969	Chip Ceramic 680pF/50V	CC73SL1H681J	XT201	399 0223 907	Geramic nesonator	COME.UUIVIG-EPUT	
C208	256 1034 937	Metalized 0.47µF/50V	CF93A1H474J	II DLOO4	221 2006 001	MW Ant. Osc.Coil	Ì	
C209	254 4254 912	Electrolytic 22µF/16V Electrolytic 10uF/16V	CE04W1C220M	BL001	231 2096 001	MINT AIR. USC.GOII		
C210,211	254 4254 909	, ,	CE04W1C100M	Tone	231 1138 009	AM IFT		
C212	254 4252 930	Electrolytic 100μ.F/10V	CE04W1A101M	T003 T004	231 1138 009	FM Det. Trans		
C213	255 1264 982	Plastic Film 0.0047µF/50V	CQ93M1H472J(B)	1004	201 2065 009	TIM Det. Hans		
C214	254 4254 912	Electrolytic 22µF/16V Electrolytic 10µF/16V	GE04W1G220M	П	205 0505 003	4P Push Terminal		
C215	254 4254 909		CE04W1C100M	11	204 8313 003	4P Push Terminal 4P Pin Jack(S-GND)		
C216	256 1035 910	Metalized 0.22µF/50V	CF93A1H224J CE04W1C100M	11	204 8313 003	6P Pin Jack(S-GND)	1	
C217,218	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M CE04W1C101M	11	204 0340 003	or mit grow(o-chan)	i	
C219	254 4254 941	Electrolytic 100µF/16V		_{TP}	205 0190 036	3P NH Conn. Base	İ	
C220	255 1264 995	Plastic Film 0.0056µF/50V	CQ93M1H562J(B)		205 0190 036	JL Connector(R)		
C221 C222	254 4250 958	Electrolytic 470µF/6.3V Metalized 0.47µF/50V	CE04W0J471M CF93A1H474J	CN6A CN6B	205 0748 064	JL Connector(R)		
C222 C223	256 1034 937 257 0006 927	Chip Ceramic 470pF/50V	CC73SL1H471J	CN6C	205 0748 064	JL Connector(R)		
C223 C224	1	Chip Ceramic 2200pF/50V	CK73B1H222K	CN6D	205 0/48 064	6P MQ-ST Conn. Base		
C224 C225	257 0009 924 254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	CN8A	205 0483 086	8P MQ-ST Conn. Base		
C226	256 1035 978	Metalized 0.68µF/50V	CF93A1H684J	CN9A	205 0483 088	9P MQ-ST Conn. Base	1	
0226 0227-229	256 1035 976	Metalized 0.22µF/50V	CF93A1H224J	CN10A	205 0483 099	10P MQ-ST Conn. Base	i	
C230,231	254 4260 977	Electrolytic 4.7µF/50V	CE04W1H4R7M	CN10A CN12B	205 0483 025	12P MQ-ST Conn. Base		
0232	256 1035 910	Metalized 0.22µF/50V	CF93A1H224J		255 5400 020	119 01 0000		
0233-236	256 1033 979	Metalized 0.1µF/50V	CF93A1H104J	11				
02:37,238	255 1265 978	Plastic Film 0.022µF/50V	CQ93M1H223J(B)	11				1
0239-241	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	11				į
0242	257 0014 935	Chip Ceramic 0.1µF/25V	CK73F1E104Z	[]				
C243.244	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	11			İ	
C245	257 0006 927	Chip Ceramic 470pF/50V	CC73SL1H471J	11	•			1
2246	257 0009 940	Chip Ceramic 3300pF/50V	CK73B1H332K	H				
247	257 0014 935	Chip Ceramic 0.1µF/25V	CK73F1E104Z	П				1
248,249	257 0013 907		CK73F1H473Z	Ш				
250	254 4254 938	Electrolytic 47µF/16V	CE04W1C470M	11	-			
251	257 0014 935	Chip Ceramic 0.1µF/25V	CK73F1E104Z	П				
252	257 0006 927	Chip Ceramic 470pF/50V	CC73SL1H471J	П				
253,254	257 0009 979	Chip Ceramic 5600pF/50V	CK73B1H562K	11				
255	257 0014 935	Chip Ceramic 0.1 µF/25V	CK73F1E104Z	H				1
256	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M	11	[İ
257	254 4252 930	Electrolytic 100µF/10V	CE04W1A101M	11			i	1
259,260	257 0005 944	Chip Ceramic 220pF/50V	CC73SL1H221J	11				
261-264	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M		.			
265	257 0006 927	Chip Ceramic 470pF/50V	CC73SL1H471J	If				1
266	257 0005 986	Chip Ceramic 330pF/50V	CC73SL1H331J	II	ĺ			1
267,268	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M	II				1
269,270	257 0012 982		CK73F1H223Z	11				
271,272	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M	11				
273	257 0005 944	Chip Ceramic 220pF/50V	CC73SL1H221J	H				ł
274,275	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M	11				ŀ
					. 1			

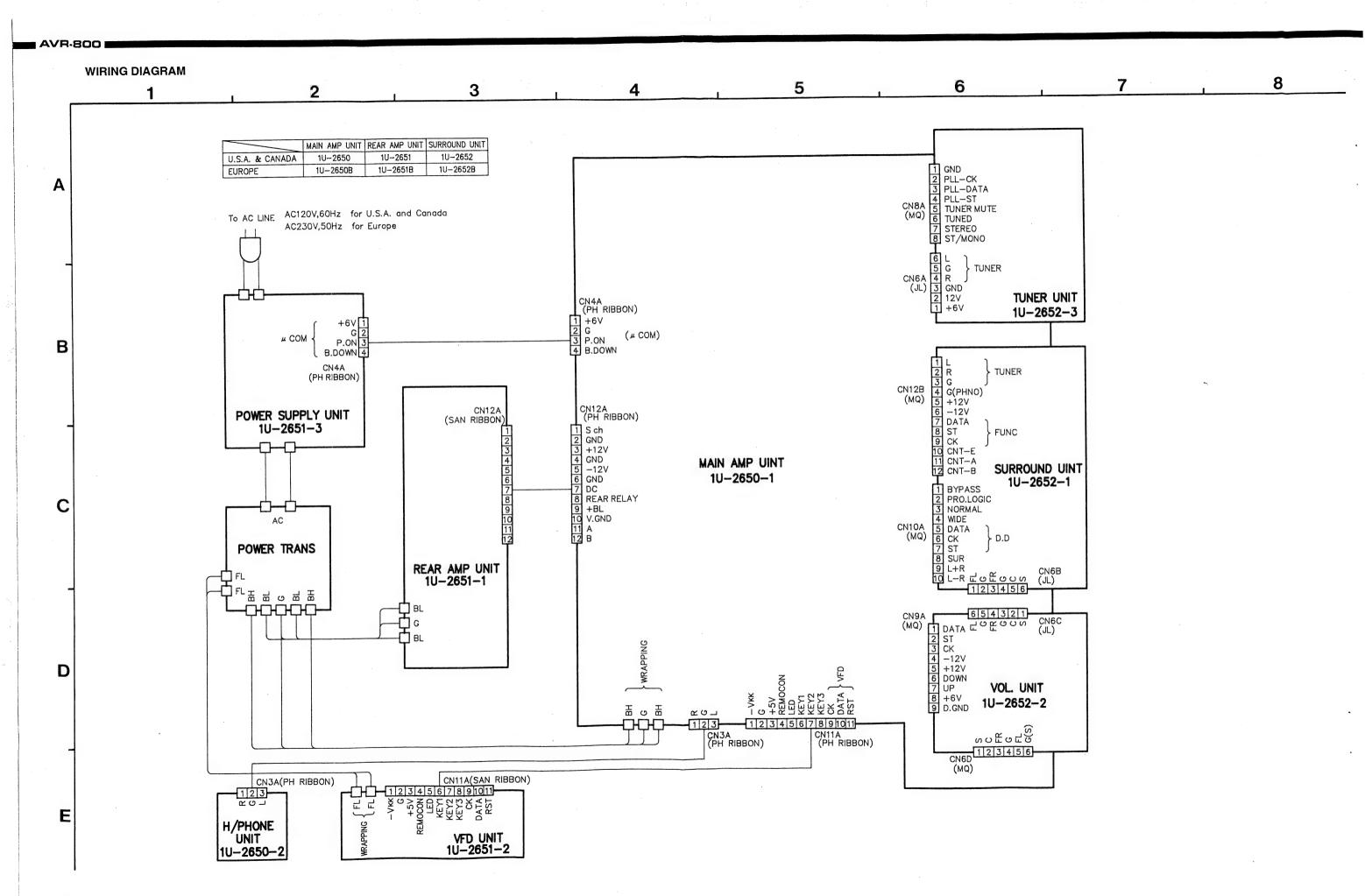
1U-2652B SURROUND UNIT ASS'Y (Europe model)

lef. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
SEMICON	DUCTORS			R025,026	247 0009 985	Chip Carbon 10kohm 1/10W	RM73B103J
	263 0891 001	IC LA1265(S)		R027	247 0008 960	Chip Carbon 3.3kohm 1/10W	RM73B332J
IC001				R028	247 0009 972	Chip Carbon 9.1kohm 1/10W	RM73B912J
IC002	263 0439 007	IC LA3401		R029	247 0011 986	Chip Carbon 68kohm 1/10W	RM73B683J
IC003	263 0791 907	IC LM7001M		R030	247 0011 928	Chip Carbon 39kohm 1/10W	RM73B393J
IC004	216 0065 006	Front End		F1031	247 0011 973	Chip Carbon 62kohm 1/10W	RM73B623J
IC101	263 0896 909	NJM2068MD		R032	247 0012 969	Chip Carbon 150kohm 1/10W	RM73B154J
lC102	262 1228 007	IG LC7822		R033,034	247 0012 998	Chip Carbon 200kohm 1/10W	RM73B-204J
IC103	263 0672 903	1C BA4558F		11	247 0012 969	Chip Carbon 150kohm 1/10W	RM73B154J
IC201	263 0906 006	IC NJM2177AF	1	R035		L ·	RM73B332J
IC202	262 1874 008	IC NJU9701G		R036	247 0008 960	Chip Carbon 3.3kohm 1/10W	
IC203	262 1875 900	IC BU4066BCF		R037,038	247 0012 927	Chip Carbon 100kohm 1/10W	RM73B104J
		IC BU4066BCF		H039~042	247 0008 960	Chip Carbon 3.3kohm 1/10W	RM73B332J
IC205	262 1875 900			R043	247 0010 961	Chip Carbon 22kohm 1/10W	RM73B223J
!C261	263 0672 903	IC BA4558F		R044,045	247 0009 985	Chip Carbon 10kohm 1/10W	RM73B103J
:C262	262 0625 009	IC TC9176P		R046	247 0009 927	Chip Carbon 5.6kohm 1/10W	RM738562J
C263	263 0672 903	IC BA4558F	ļ	R047	247 0009 985	Chip Carbon 10kohm 1/10W	RM73B103J
IC264	263 0905 900	IC BA6208F		R051,052	247 0012 927	Chip Carbon 100kohm 1/10W	RM73B104J
				F I		Chip Carbon Oohm 1/8W	RM73B2B0R0K
TR001	275 0074 902	FFT 2SK211-Y/GR		R071	247 1018 904	1 '	
TR002	273 0411 909	Transistor 2SC2996-Y		R079	247 1018 904	Chip Carbon 0ohm 1/8W	RM73B2B0R0K
TR002,004	269 0114 906	Transistor RN2402	Built in Resistor	R081	247 1018 904	Chip Carbon 0ohm 1/8W	RM73B2B0R0K
			DURE HI FROSISTOI	R083	247 1018 904	Chip Carbon 0ohm 1/8W	RM73B2B0R0K
TR005	273 0403 904	Transistor 2SC2712-Y/GR		R084	247 0018 905	Chip Carbon 0ohm 1/10W	RM73B0R0K
TR006	275 0075 901	FET 2SK209-Y/GR	L	R085-094	247 1018 904	Chip Carbon 0ohm 1/8W	RM73B2B0R0K
TR007,008	269 0066 902	Transistor DTC323TK	Built in Resistor	R096-098	247 1018 904	Chip Carbon John 1/8W	RM73B2B0R0K
TR009	269 0085 909	Transistor DTC144TK	Built in Resistor	R101,102	247 0006 946	Chip Carbon 390ohm 1/10W	RM73B391J
TR010	269 0086 908	Transistor DTA114TK	Built in Resistor	R103,104	247 0011 986	Chip Carbon 68kohm 1/10W	RM73B683J
TR201	269 0055 900	Transistor DTA144EK	Built in Resistor			1 '	
	269 0054 901	Transistor DTC144EK	Built in Resistor	R105,106	247 0012 969	Chip Carbon 150kohm 1/10W	RM73B154J
TR205	269 0054 901	Transistor DTC144EK	Built in Resistor	R107,108	247 0004 922	Chip Carbon 47ohm 1/10W	RM73B470J
	273 0384 900	Transistor 2SC2412K(S)	Dane III 7 100 ISIO	R109,110	247 0007 945	Chip Carbon 1kohm 1/10W	RM73B102J
TR206			Built in Resistor	R111,112	247 0014 909	Chip Carbon 560kohm 1/10W	RM73B-564J
	269 0054 901	Transistor DTC144EK	Dulk in Resistor	H113,114	247 0011 944	Chip Carbon 47kohm 1/10W	RM73B473J
TH210	274 0169 908	Transistor 2SD1292(R)		R115,116	247 0003 949	Chip Carbon 22ohm 1/10W	RM73B-220J
				R117,118	247 0005 905	Chip Carbon 100ohm 1/10W	RM73B101J
D001~003	276 0616 907	Diode 1SS252		R119,120	247 0013 984	Chip Carbon 470kohm 1/10W	RM73B474J
D006	276 0616 907	Diode 1SS252		R121-132	247 0015 966	Chip Carbon 2.7Mohm 1/10W	RM73B275J
D202205	276 0616 907	Diode 1SS252				1 '	
D261	276 0616 907	Diode 1SS252		R133~144	247 0006 962	Chip Carbon 470ohm 1/10W	RM73B471J
D201	270 0010 001	Didde House		R145	247 0014 925	Chip Carbon 680kohm 1/10W	RM73B684J
70004	070 0460 000	Zener Diode HZS6B-1	6V	R151,152	247 0006 962	Chip Carbon 470ohm 1/10W	RM73B471J
ZD201	276 0462 902	Zeiler Diode nzaob-1		R153,154	247 0011 973	Chip Carbon 62kohm 1/10W	RM73B623J
				R155,156	247 0013 984	Chip Carbon 470kohm 1/10W	RM738474J
				R157-160	247 0005 905	Chip Carbon 100ohm 1/10W	RM73B101J
PECICIO	DC CDOUD	Not included Carbon Fi	m 45% 1/4 W Type	R201	247 0009 956	Chip Carbon 7.5kohm 1/10W	RM73B 752J
				1 1	247 0003 930	Chip Carbon 47kohm 1/10W	RM73B473J
Refer to the	he Schemat	ic Diagram for those Par	rts.)	R202		'	
		Chip Carbon 1kohm 1/10W	RM73B102J	R203	247 0010 929	Chip Carbon 15kohm 1/10W	RM73B 153J
R001		E	1	R204	247 0009 956	Chip Carbon 7.5kohm 1/10W	RM73B752J
R002	247 0009 927	Chip Carbon 5.6kohm 1/10W	RM73B562J	R205	247 0011 944	Chip Carbon 47kohm 1/10W	RM73B473J
R003	247 0004 906	Chip Carbon 39ohm 1/10W	RM73B390J	R206	247 0010 929	Chip Carbon 15kohm 1/10W	RM73B153J
R004	247 0009 985	Chip Carbon 10kohm 1/10W	RM73B103J	R207	247 0016 923	Chip Carbon 4.7Mohm 1/10W	RM7)B475J
R005	247 0006 946	Chip Carbon 390ohm 1/10W	RM73B391J	R208,209	247 0011 960	Chip Carbon 56kohm 1/10W	RM73B 563J
	247 0006 920	Chip Carbon 330ohm 1/10W	RM73B331J	R210	247 0012 927	Chip Carbon 100kohm 1/10W	RM7)B 104J
R006	4		RM73B472J	R211	247 0012 927	Chip Carbon 100kohm 1/10W	RM73B 104F(±1%
R006 R007	1 247 0000 001	I Chio Gardon 4.7konm 1/10W		• • BZ II		Chip Carbon 15kohm 1/10W	RM3B153J
R007	247 0009 901	Chip Carbon 4.7kohm 1/10W	RM73B331.1	P 1	017 0010 000	THE PARTY OF THE P	
R007 R008	247 0006 920	Chip Carbon 330ohm 1/10W	RM73B331J	R212	247 0010 929	· •	
R007 R008 R009	247 0006 920 247 0005 989	Chip Carbon 330ohm 1/10W Chip Carbon 220ohm 1/10W	RM73B221J	R212 R213	247 0009 969	Chip Carbon 8.2kohm 1/10W	RM3B822J
R007 R008 R009 R010	247 0006 920 247 0005 989 247 0008 902	Chip Carbon 330ohm 1/10W Chip Carbon 220ohm 1/10W Chip Carbon 1.8kohm 1/10W	RM73B221J RM73B182J	R212 R213 R214	247 0009 969 247 0010 929	Chip Carbon 8.2kohm 1/10W Chip Carbon 15kohm 1/10W	RM3B 822J RM3B 153J
R007 R008 R009 R010 R011	247 0006 920 247 0005 989 247 0008 902 247 0006 920	Chip Carbon 330ohm 1/10W Chip Carbon 220ohm 1/10W Chip Carbon 1.8kohm 1/10W Chip Carbon 330ohm 1/10W	RM73B221J RM73B182J RM73B331J	R212 R213	247 0009 969	Chip Carbon 8.2kohm 1/10W	RM73B 822J RM73B 153J RM73B 384J
R007 R008 R009 R010	247 0006 920 247 0005 989 247 0008 902	Chip Carbon 330ohm 1/10W Chip Carbon 220ohm 1/10W Chip Carbon 1.8kohm 1/10W	RM73B221J RM73B182J RM73B331J RM73B101J	R212 R213 R214	247 0009 969 247 0010 929	Chip Carbon 8.2kohm 1/10W Chip Carbon 15kohm 1/10W	RM73B 822J RM73B 153J
R007 R008 R009 R010 R011	247 0006 920 247 0005 989 247 0008 902 247 0006 920	Chip Carbon 330ohm 1/10W Chip Carbon 220ohm 1/10W Chip Carbon 1.8kohm 1/10W Chip Carbon 330ohm 1/10W	RM73B221J RM73B182J RM73B331J	R212 R213 R214 R216 R218~220	247 0009 969 247 0010 929 247 0013 942 247 0011 944	Chip Carbon 8.2kohm 1/10W Chip Carbon 15kohm 1/10W Chip Carbon 330kohm 1/10W	RM73B822J RM73B153J RM73B384J
R007 R008 R009 R010 R011 R014 R015	247 0006 920 247 0005 989 247 0008 902 247 0006 920 247 0005 905	Chip Carbon 330ohm 1/10W Chip Carbon 220ohm 1/10W Chip Carbon 1.8kohm 1/10W Chip Carbon 330ohm 1/10W Chip Carbon 100ohm 1/10W	RM73B221J RM73B182J RM73B331J RM73B101J	R212 R213 R214 R215 R218~220 R221~223	247 0009 969 247 0010 929 247 0013 942 247 0011 944 247 0009 969	Chip Carbon 8.2kohrn 1/10W Chip Carbon 15kohrn 1/10W Chip Carbon 330kohrn 1/10W Chip Carbon 47kohrn 1/10W Chip Carbon 8.2kohrn 1/10W	RM73B822J RM73B153J RM73B334J RM73B473J RM73B822J
R007 R008 R009 R010 R011 R014 R015 R016	247 0006 920 247 0005 989 247 0008 902 247 0006 920 247 0005 905 247 0009 969 247 0008 986	Chip Carbon 330ohm 1/10W Chip Carbon 220ohm 1/10W Chip Carbon 1.8kohm 1/10W Chip Carbon 330ohm 1/10W Chip Carbon 100ohm 1/10W Chip Carbon 8.2kohm 1/10W Chip Carbon 3.9kohm 1/10W	RM73B221J RM73B182J RM73B331J RM73B101J RM73B822J RM73B392J	R212 R213 R214 R215 R218~220 R221~223 R224	247 0009 969 247 0010 929 247 0013 942 247 0011 944 247 0009 969 247 0014 967	Chip Carbon 8.2kohrn 1/10W Chip Carbon 15kohrn 1/10W Chip Carbon 330kohrn 1/10W Chip Carbon 47kohrn 1/10W Chip Carbon 8.2kohrn 1/10W Chip Carbon 1Mohrn 1/10W	RM73B822J RM73B153J RM73B334J RM73B473J RM73B822J RM73B105J
R007 R008 R009 R010 R011 R014 R015 R016 R017	247 0006 920 247 0005 989 247 0008 902 247 0006 920 247 0005 905 247 0009 969 247 0006 946	Chip Carbon 330ohm 1/10W Chip Carbon 220ohm 1/10W Chip Carbon 1.8kohm 1/10W Chip Carbon 330ohm 1/10W Chip Carbon 100ohm 1/10W Chip Carbon 8.2kohm 1/10W Chip Carbon 3.9kohm 1/10W Chip Carbon 3.9kohm 1/10W Chip Carbon 390ohm 1/10W	RM73B221J RM73B182J RM73B331J RM73B101J RM73B822J RM73B392J RM73B391J	R212 R213 R214 R215 R218-220 R221-223 R224 R225	247 0009 969 247 0010 929 247 0013 942 247 0011 944 247 0009 969 247 0014 967 247 0010 929	Chip Carbon 8.2kohrn 1/10W Chip Carbon 15kohrn 1/10W Chip Carbon 330kohrn 1/10W Chip Carbon 47kohrn 1/10W Chip Carbon 8.2kohrn 1/10W Chip Carbon 1Mohrn 1/10W Chip Carbon 15kohrn 1/10W	RM78B 822J RM78B 153J RM78B 384J RM78B 473J RM78B 822J RM78B 105J RM78B 153J
R007 R008 R009 R010 R011 R014 R015 R016 R017 R018	247 0006 920 247 0005 989 247 0008 902 247 0006 920 247 0005 905 247 0009 969 247 0006 946 247 0005 947	Chip Carbon 330ohm 1/10W Chip Carbon 220ohm 1/10W Chip Carbon 1.8kohm 1/10W Chip Carbon 330ohm 1/10W Chip Carbon 100ohm 1/10W Chip Carbon 8.2kohm 1/10W Chip Carbon 3.9kohm 1/10W Chip Carbon 390ohm 1/10W Chip Carbon 390ohm 1/10W Chip Carbon 150ohm 1/10W	RM73B221J RM73B182J RM73B331J RM73B101J RM73B822J RM73B392J RM73B391J RM73B151J	R212 R213 R214 R215 R216-220 R221-223 R224 R225 R226	247 0009 969 247 0010 929 247 0013 942 247 0011 944 247 0009 969 247 0014 967 247 0010 929 247 0010 945	Chip Carbon 8.2kohrn 1/10W Chip Carbon 15kohrn 1/10W Chip Carbon 330kohrn 1/10W Chip Carbon 47kohrn 1/10W Chip Carbon 8.2kohrn 1/10W Chip Carbon 1Mohrn 1/10W Chip Carbon 15kohrn 1/10W Chip Carbon 15kohrn 1/10W Chip Carbon 18kohrn 1/10W	RM78B822J RM78B153J RM78B334J RM78B473J RM78B822J RM78B105J RM78B153J RM78B183J
R007 R008 R009 R010 R011 R014 R015 R016 R017 R018 R019	247 0006 920 247 0005 989 247 0008 902 247 0006 920 247 0005 905 247 0009 969 247 0006 946 247 0005 947 247 0005 921	Chip Carbon 330ohm 1/10W Chip Carbon 220ohm 1/10W Chip Carbon 1.8kohm 1/10W Chip Carbon 330ohm 1/10W Chip Carbon 100ohm 1/10W Chip Carbon 8.2kohm 1/10W Chip Carbon 3.9kohm 1/10W Chip Carbon 390ohm 1/10W Chip Carbon 390ohm 1/10W Chip Carbon 150ohm 1/10W Chip Carbon 150ohm 1/10W	RM73B221J RM73B182J RM73B331J RM73B101J RM73B822J RM73B392J RM73B391J RM73B151J RM73B121J	R212 R213 R214 R215 R218-220 R221-223 R224 R225	247 0009 969 247 0010 929 247 0013 942 247 0011 944 247 0009 969 247 0014 967 247 0010 929 247 0010 929 247 0010 929	Chip Carbon 8.2kohrn 1/10W Chip Carbon 15kohrn 1/10W Chip Carbon 330kohrn 1/10W Chip Carbon 47kohrn 1/10W Chip Carbon 8.2kohrn 1/10W Chip Carbon 1Mohrn 1/10W Chip Carbon 15kohrn 1/10W Chip Carbon 18kohrn 1/10W Chip Carbon 18kohrn 1/10W Chip Carbon 15kohrn 1/10W	RM78B822J RM78B153J RM78B334J RM78B473J RM78B822J RM78B153J RM78B153J RM78B153J RM78B153J
R007 R008 R009 R010 R011 R014 R015 R016 R017 R018 R019 R020	247 0006 920 247 0005 989 247 0008 902 247 0006 920 247 0005 905 247 0009 969 247 0006 946 247 0005 947 247 0005 921 247 0010 929	Chip Carbon 330ohrn 1/10W Chip Carbon 220ohrn 1/10W Chip Carbon 1.8kohrn 1/10W Chip Carbon 330ohrn 1/10W Chip Carbon 100ohrn 1/10W Chip Carbon 8.2kohrn 1/10W Chip Carbon 3.9kohrn 1/10W Chip Carbon 390ohrn 1/10W Chip Carbon 150ohrn 1/10W Chip Carbon 150ohrn 1/10W Chip Carbon 120ohrn 1/10W Chip Carbon 120ohrn 1/10W	RM73B221J RM73B182J RM73B331J RM73B101J RM73B822J RM73B392J RM73B391J RM73B151J RM73B121J RM73B153J	R212 R213 R214 R215 R216-220 R221-223 R224 R225 R226	247 0009 969 247 0010 929 247 0013 942 247 0011 944 247 0009 969 247 0014 967 247 0010 929 247 0010 945	Chip Carbon 8.2kohrn 1/10W Chip Carbon 15kohrn 1/10W Chip Carbon 330kohrn 1/10W Chip Carbon 47kohrn 1/10W Chip Carbon 8.2kohrn 1/10W Chip Carbon 1Mohrn 1/10W Chip Carbon 15kohrn 1/10W Chip Carbon 15kohrn 1/10W Chip Carbon 18kohrn 1/10W	RM78B 822J RM78B 153J RM78B 334J RM78B 473J RM78B 822J RM78B 105J RM78B 153J RM78B 153J RM78B 153J RM78B 200J
R007 R008 R009 R010 R011 R014 R015 R016 R017 R018 R019	247 0006 920 247 0005 989 247 0008 902 247 0006 920 247 0005 905 247 0009 969 247 0006 946 247 0005 947 247 0005 921	Chip Carbon 330ohm 1/10W Chip Carbon 220ohm 1/10W Chip Carbon 1.8kohm 1/10W Chip Carbon 330ohm 1/10W Chip Carbon 100ohm 1/10W Chip Carbon 8.2kohm 1/10W Chip Carbon 3.9kohm 1/10W Chip Carbon 390ohm 1/10W Chip Carbon 390ohm 1/10W Chip Carbon 150ohm 1/10W Chip Carbon 150ohm 1/10W	RM73B221J RM73B182J RM73B331J RM73B101J RM73B822J RM73B392J RM73B391J RM73B151J RM73B121J RM73B153J RM73B121J	R212 R213 R214 R215 R216-220 R221-223 R224 R225 R226 R227	247 0009 969 247 0010 929 247 0013 942 247 0011 944 247 0009 969 247 0014 967 247 0010 929 247 0010 929 247 0010 929	Chip Carbon 8.2kohrn 1/10W Chip Carbon 15kohrn 1/10W Chip Carbon 330kohrn 1/10W Chip Carbon 47kohrn 1/10W Chip Carbon 8.2kohrn 1/10W Chip Carbon 1Mohrn 1/10W Chip Carbon 15kohrn 1/10W Chip Carbon 18kohrn 1/10W Chip Carbon 18kohrn 1/10W Chip Carbon 15kohrn 1/10W	RM78B822J RM78B153J RM78B334J RM78B473J RM78B822J RM78B153J RM78B153J RM78B153J RM78B153J
R007 R008 R009 R010 R011 R014 R015 R016 R017 R018 R019 R020	247 0006 920 247 0005 989 247 0008 902 247 0006 920 247 0005 905 247 0009 969 247 0006 946 247 0005 947 247 0005 921 247 0010 929	Chip Carbon 330ohrn 1/10W Chip Carbon 220ohrn 1/10W Chip Carbon 1.8kohrn 1/10W Chip Carbon 330ohrn 1/10W Chip Carbon 100ohrn 1/10W Chip Carbon 8.2kohrn 1/10W Chip Carbon 3.9kohrn 1/10W Chip Carbon 390ohrn 1/10W Chip Carbon 150ohrn 1/10W Chip Carbon 150ohrn 1/10W Chip Carbon 120ohrn 1/10W Chip Carbon 120ohrn 1/10W	RM73B221J RM73B182J RM73B331J RM73B101J RM73B822J RM73B392J RM73B391J RM73B151J RM73B121J RM73B153J	R212 R213 R214 R215 R216-220 R221-223 R224 R225 R226 R227 R228,229 R230	247 0009 969 247 0010 929 247 0013 942 247 0011 944 247 0009 969 247 0010 929 247 0010 929 247 0010 929 247 0003 936 247 0009 956	Chip Carbon 8.2kohrn 1/10W Chip Carbon 15kohm 1/10W Chip Carbon 330kohm 1/10W Chip Carbon 47kohm 1/10W Chip Carbon 8.2kohm 1/10W Chip Carbon 1Mohm 1/10W Chip Carbon 15kohm 1/10W Chip Carbon 18kohm 1/10W Chip Carbon 15kohm 1/10W Chip Carbon 15kohm 1/10W Chip Carbon 20ohm 1/10W Chip Carbon 20ohm 1/10W	RM78B822J RM78B153J RM78B334J RM78B473J RM78B822J RM78B153J RM78B153J RM78B153J RM78B200J
R007 R008 R009 R010 R011 R014 R015 R016 R017 R018 R019 R020 R021 R022	247 0006 920 247 0005 989 247 0008 902 247 0006 920 247 0005 905 247 0009 969 247 0008 986 247 0006 946 247 0005 947 247 0005 921 247 0010 929 247 0005 921 247 0011 928	Chip Carbon 330ohrm 1/10W Chip Carbon 220ohrm 1/10W Chip Carbon 1.8kohrm 1/10W Chip Carbon 330ohrm 1/10W Chip Carbon 8.2kohrm 1/10W Chip Carbon 8.2kohrm 1/10W Chip Carbon 3.9kohrm 1/10W Chip Carbon 390ohrm 1/10W Chip Carbon 150ohrm 1/10W Chip Carbon 150ohrm 1/10W Chip Carbon 120ohrm 1/10W Chip Carbon 120ohrm 1/10W Chip Carbon 15kohrm 1/10W Chip Carbon 120ohrm 1/10W Chip Carbon 120ohrm 1/10W Chip Carbon 120ohrm 1/10W Chip Carbon 39kohrm 1/10W	RM73B221J RM73B182J RM73B331J RM73B101J RM73B822J RM73B392J RM73B391J RM73B151J RM73B121J RM73B153J RM73B121J	R212 R213 R214 R215 R218-220 R221-223 R224 R225 R226 R227 R228,229 R230 R231	247 0009 969 247 0010 929 247 0013 942 247 0011 944 247 0009 969 247 0010 929 247 0010 929 247 0010 929 247 0003 936 247 0009 956 247 0009 927	Chip Carbon 8.2kohrn 1/10W Chip Carbon 15kohm 1/10W Chip Carbon 330kohm 1/10W Chip Carbon 47kohm 1/10W Chip Carbon 8.2kohm 1/10W Chip Carbon 1Mohm 1/10W Chip Carbon 15kohm 1/10W Chip Carbon 18kohm 1/10W Chip Carbon 15kohm 1/10W Chip Carbon 20ohm 1/10W Chip Carbon 20ohm 1/10W Chip Carbon 7.5kohm 1/10W Chip Carbon 5.6kohm 1/10W	RM78B 822J RM78B 153J RM78B 334J RM78B 473J RM78B 822J RM78B 153J RM78B 153J RM78B 153J RM78B 200J RM78B 752J RM78B 752J RM78B 562J
R007 R008 R009 R010 R011 R014 R015 R016 R017 R018 R019 R020 R021	247 0006 920 247 0005 989 247 0008 902 247 0006 920 247 0005 905 247 0009 969 247 0006 946 247 0005 947 247 0005 921 247 0010 929 247 0005 921	Chip Carbon 330ohm 1/10W Chip Carbon 220ohm 1/10W Chip Carbon 1.8kohm 1/10W Chip Carbon 330ohm 1/10W Chip Carbon 100ohm 1/10W Chip Carbon 8.2kohm 1/10W Chip Carbon 3.9kohm 1/10W Chip Carbon 390ohm 1/10W Chip Carbon 150ohm 1/10W Chip Carbon 120ohm 1/10W Chip Carbon 120ohm 1/10W Chip Carbon 15kohm 1/10W Chip Carbon 15kohm 1/10W Chip Carbon 15kohm 1/10W	RM73B-221J RM73B-182J RM73B-331J RM73B-101J RM73B-822J RM73B-392J RM73B-391J RM73B-151J RM73B-121J RM73B-153J RM73B-121J RM73B-393J	R212 R213 R214 R215 R216-220 R221-223 R224 R225 R226 R227 R228,229 R230	247 0009 969 247 0010 929 247 0013 942 247 0011 944 247 0009 969 247 0010 929 247 0010 929 247 0010 929 247 0003 936 247 0009 956	Chip Carbon 8.2kohrn 1/10W Chip Carbon 15kohm 1/10W Chip Carbon 330kohm 1/10W Chip Carbon 47kohm 1/10W Chip Carbon 8.2kohm 1/10W Chip Carbon 1Mohm 1/10W Chip Carbon 15kohm 1/10W Chip Carbon 18kohm 1/10W Chip Carbon 15kohm 1/10W Chip Carbon 15kohm 1/10W Chip Carbon 20ohm 1/10W Chip Carbon 20ohm 1/10W	RM78B 822J RM78B 153J RM78B 334J RM78B 473J RM78B 822J RM78B 153J RM78B 153J RM78B 153J RM78B 200J RM78B 752J

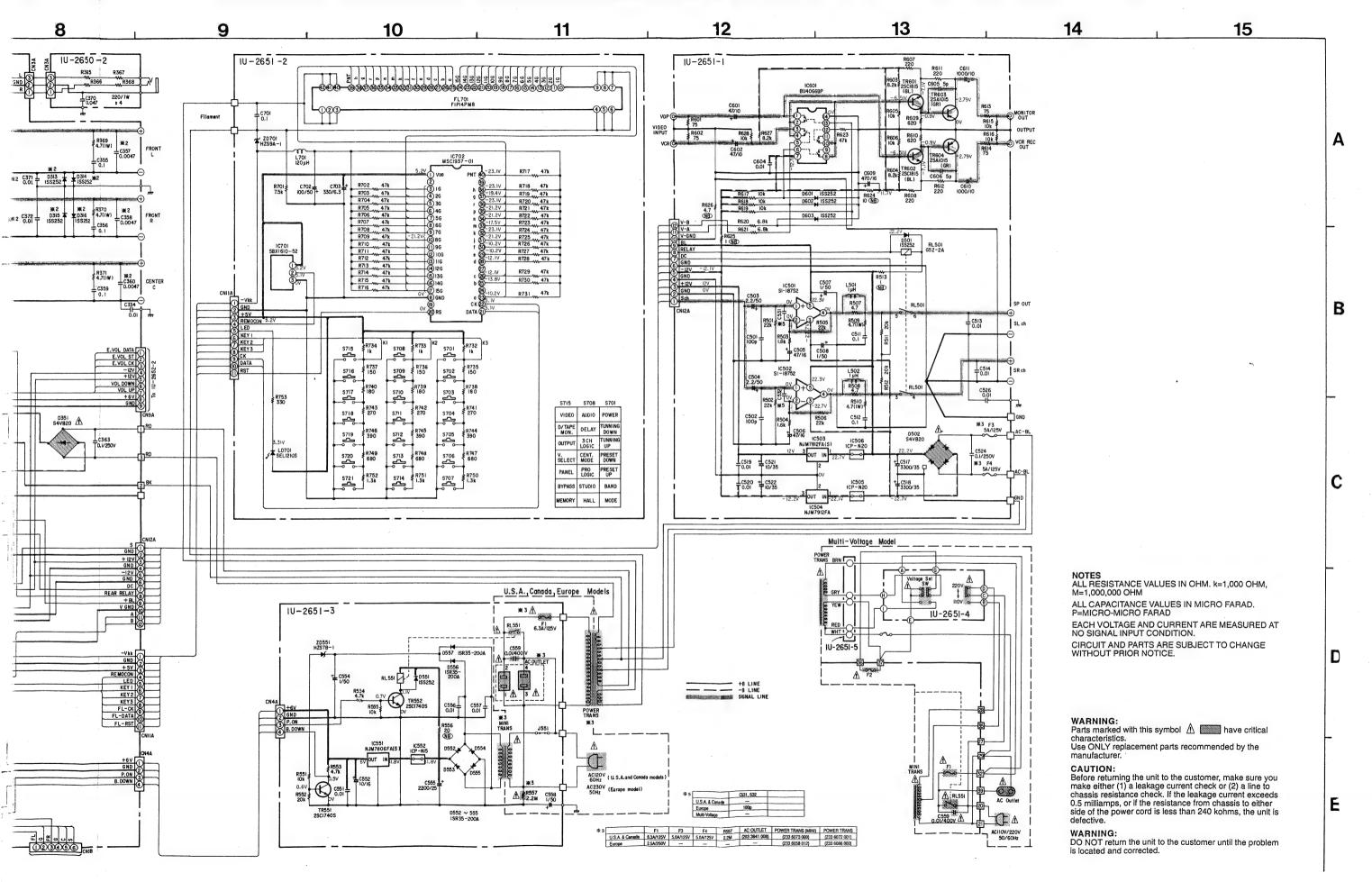
Ref. No.	Part No.	Part Name	Remarks	
		Chip Ceramic 0.022µF/50V	CK73F1H223Z	
G269,270	257 0012 982	Electrolytic 10μF/16V	CE04W1C100M	l
C271,272	254 4254 909	Electrolytic topper for	CC73SL1H221J	1
C273	257 0005 944	Chip Ceramic 220pF/50V	CE04W1C100M	
C274,275	254 4254 909	Electrolytic 10uF/16V		l
C276	254 3056 917	Electrolytic 1 µF/50V (Bipole)	CE04D1H010MBP	1
C277	257 0012 966	Chip Ceramic 0.01µF/50V	CK73F1H103Z	- 1
C278	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	- 1
C279	257 0012 966	Chip Ceramic 0.01µF/50V	CK73F1H103Z	
C281,282	255 1264 908	Plastic Film 0.001 µF/50V	CQ93M1H102J	Ì
OTHER G	ROUP			Q'ty
		(P.W.Board)		1
•	(2
CF001,002			1	
CF003	261 0031 001	Ceramic Filter BFU450C4		1
CF604	261 0079 005	Ceramic Filter CSB456F11		1
CF005	261 0116 007	Ceramic Filter SFU450B3	ł	1
1.201	235 0060 989	Inductor 120µH		1
		Operated 7.0 Mb/s		1
XTGO1	399 0075 003	Crystal 7.2 MHz	CSA2.00MG-TF01	1
XT201	399 0223 907	Ceramic Resonator	C3A2.00MG-1101	Ì .
BL001	231 2096 001	MW Ant. Osc. Coil		1
T003	231 1138 009	AM IFT		1
T004	231 2085 009	FM Det. Trans		1
LF001	232 0159 008	Anti Birdie Filter	1	1
LF002,003		Low Pass Filter		1
LF:01,102				2
Li .01,102	. 203 0000 002	1	ļ	1
1	204 8313 003	4P Pin Jack(S-GND)		2
	204 8346 009	6P Pin Jack(S-GND)		1
	205 0776 007			1
TP	205 0190 036	3₽ NH Conn. Base	1	1
CN6A	205 0748 064			1
	205 0748 064	1		1
CN6B	205 0748 064	1		1
CN6C	1	1 ' '		1
CN6D	205 0483 060	1 " '		1
CNBA	205 0483 086	1 '		2
CN9A	205 0483 099			1
CN10A	205 0483 002	I		1 1
CN12B	205 0483 025	12P MQ-ST Conn. Base		'
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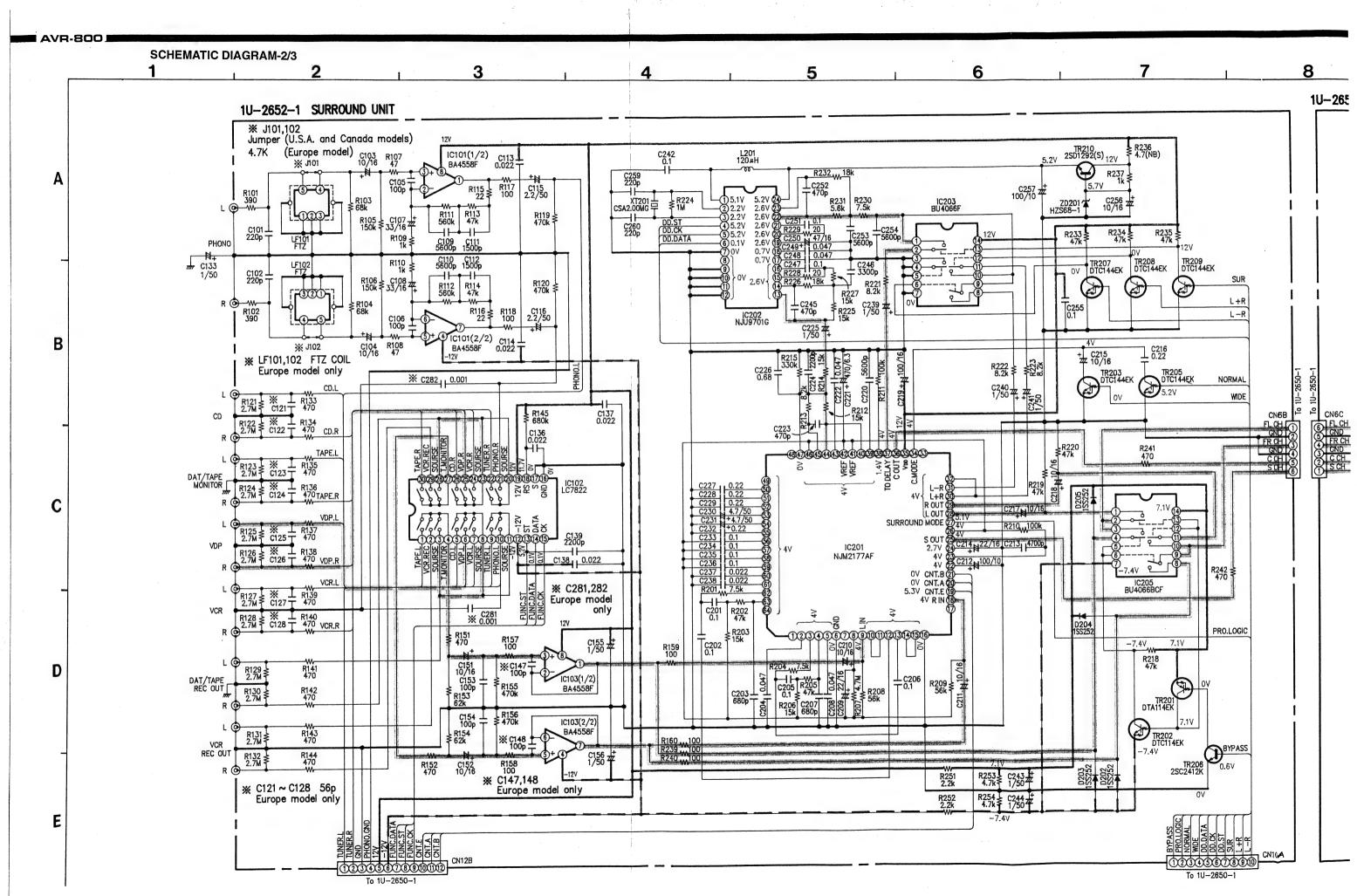
Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
R233~235	247 0011 944	Chip Carbon 47kohm 1/10W	RM73B473J	C059-061	257 0012 966	Chip Ceramic 0.01 µF/50V	CK73F1H103Z
	241 2387 846	Carbon Film 4.7ohru 1/4 W(NB)	HD14B2E4R7JNBS	C063	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M
R237	247 0007 945	Chip Carbon 1kohm 1/10W	RM73B102J	C065	257 0012 966	Chip Ceramic 0.01µF/50V	CK73F1H103Z
FI239,240	247 0005 905	Chip Carbon 100ohm 1/10W	RM738101J	C101,102	257 0005 944	Chip Ceramic 220pF/50V	CC73SL1H221J
R241,242	247 0006 962	Chip Carbon 470chm 1/10W	RM73B471J	C103,104	254 4254 909	Electrolytic 10μF/16V	CE04W1C100M
R251,252	247 0008 928	Chip Carbon 2.2kohm 1/10W	RM73B222J	C105,106	257 0004 961	Chip Ceramic 100pF/50V	CC73SL1H101J
R263,254	247 0009 901	Chip Carbon 4.7kohm 1/10W	RM73B472J	C107,108	254 4254 925	Electrolytic 33μF/16V	CE04W1C330M
R261,262	247 0012 927	Chip Carbon 100kohm 1/10W	RM73B104J	C109,110	255 1264 995	Plastic Film 0.0056µF/50V	CQ93M1H562J(B)
R263,264	247 0013 900	Chip Carbon 220kohm 1/10W	AM73B224J	C111,112	257 0009 908	Chip Ceramic 1500pF/50V	CK73B1H162K
R265,266	247 0007 945	Chip Carbon tkohm 1/10W	RM73B102J	C113,114	257 0012 982	Chip Ceramic 0.022µF/50V	CK73F1H223Z
R267,268	247 0008 960	Chip Carbon 3.3kohm 1/10W	RM73B332J	C115,116	254 4260 951	Electrolytic 2.2µF/50V	CE04W1H2R2M
R269,270	247 0005 905	Chip Carbon 100ohm 1/10W	RM73B101J	C121~128	257 0004 903	Chip Ceramic 56pF/50V	CC73SL1H560J
R271	247 0013 984	Chip Carbon 470kohm 1/10W	RM73B474J	C133	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
R272	247 0005 905	Chip Carbon 100ohm 1/10W	RM73B101J	C136-138	257 0012 982	Chip Ceramic 0.022µF/50V Chip Ceramic 2200pF/50V	CK73F1H223Z CK73B1H222K
R273	247 0007 945	Chip Carbon 1kohm 1/10W	RM73B102J	C139	257 0009 924	Chip Ceramic 100pF/50V	CC73SL1H101J
R274	247 0009 927	Chip Carbon 5.6kohm 1/10W	RM73B562J	C147,148	257 0004 961 254 4254 909	Electrolytic 10µF/16V	CE04W1C100M
R275,276	247 0005 905	Chip Carbon 100ohm 1/10W	RM73B101J	C151,152	257 0004 961	Chip Ceramic 100pF/50V	CC73\$L1H101J
R277,278	247 0009 985	Chip Carbon 10kohm 1/10W	RM73B103J	C153,154	254 4260 948	Electrolytic 1µF/S0V	CE04W1H010M
R279	247 0013 984	Chip Carbon 470kohm 1/10W	RM73B474J	C165,156	254 4260 948	Metalized 0.1 µF/50V	CF93A1H1O4J
R280	247 0007 945	Chip Carbon 1 kohm 1/10W	RM73B102J	C201,202	257 0006 969	Chip Ceramic 680oF/50V	CC73SL1H681J
Fi281	247 0009 927	Chip Carbon 5.6kohm 1/10W	RM73B562J	C203 C204	256 1034 937	Metalized 0.47µF/50V	CF93A1H474J
H282	247 0005 905	Chip Carbon 100ohm 1/10W	RM73B101J	1	256 1034 937	Metalized 0.47μπ/50V Metalized 0.1μF/50V	CF93A1H104J
]	011 6565 555	Value of the state		C205,206 C207	257 0006 969	Chip Ceramic 680pF/50V	CC73SL1H681J
VR261	211 0802 002	Variable Resister 100kohm		C207	256 1034 937	Metalized 0.47uF/50V	CF93A1H4 7 4J
	<u> </u>			C208	254 4254 912	Electrolytic 22µF/16V	CE04W1C220M
CAPACIT	ORS GROUP	•		C210,211	254 4254 909	Electrolytic 10µF/16V	CE04W101 00M
	T	Chip Ceramic 0.01µF/50V	CK73F1H103Z	C210.211	254 4252 930	Electrolytic 100μF/10V	CE04W1A101M
C001,002	257 0012 966 257 0002 947	Chip Ceramic 12pF/50V	CC73SL1H120J	C213	255 1264 982	Plastic Film 0.0047µF/50V	CQ93M1H472J(B)
C004	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M	C214	254 4254 912	Electrolytic 22µF/16V	CE04W10220M
C005 C006~008	257 0012 966	Chip Ceramic 0.01 µF/50V	CK73F1H103Z	C215	254 4254 909	Electrolytic 10µF/16V	CE04W101 00M
C006~008	254 3056 917	Electrolytic 1µF/50V	CE04D1H010MBP	C216	256 1035 910	Metalized 0.22µF/50V	CF93A1H224J
COLL	234 3080 311	(Bipole)	OLOND MICHOWIE	Ç217,218	254 4254 909	Electrolytic 10µF/16V	CE04W101 00M
C012	254 4254 938	Electrolytic 47µF/16V	CE04W1C470M	C219	254 4254 941	Electrolytic 100uF/16V	CE04W101 01M
C013	254 4260 906	Electrolytic 0.1 µF/50V	CE04W1H0R1M	C220	255 1264 995	Piastic Film 0.0056uF/50V	CQ93M1H562J(B)
C013	257 0012 982	Chip Ceramic 0.022µF/50V	CK73F1H223Z	C221	254 4250 958	Electrolytic 470uF/6.3V	CE04W0J471M
C014	257 0004 961	Chip Ceramic 100pF/50V	CC73SL1H101J	C222	256 1034 937	Metalized 0.47µF/50V	CF93A1:474J
C017,018	257 0012 966	Chip Ceramic 0.01µF/50V	CK73F1H103Z	C223	257 0006 927	Chip Ceramic 470pF/50V	CC73SL H471J
C019	254 4260 935	Electrolytic 0.47µF/50V	CE04W1HR47M	C224	257 0009 924	Chip Ceramic 2200pF/50V	CK73B1H2/22K
C020	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	C225	254 4260 948	Electrolytic 1 uF/50V	CE04W1-O10M
G021	254 4260 980	Electrolytic 10µF/50V	CE04W1H100M	C226	256 1035 978	Metalized 0.68µF/50V	CF93A14684J
C022	257 0012 982	Chip Ceramic 0.022µF/50V	CK73F1H223Z	C227-229	256 1035 910	Metalized 0.22µF/50V	CF93A14224J
C024	256 1034 940	Metalized 0.056uF/50V	CF93A1H563J	C230,231	254 4260 977	Electrolytic 4.7µF/50V	CE04W1H4-R7M
C025,026	254 4254 912	Electrolytic 22µF/16V	CE04W1C220M	C232	256 1035 910	Metalized 0.22µF/50V	CF93A11224J
C027	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M	C233-236	256 1034 979	Metalized 0.1µF/50V	CF93A111O4J
C028	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	C237,238	255 1265 978	Plastic Film 0.022µF/50V	CQ93M1H223J(8)
C029	257 0012 966	Chip Ceramic 0.01 µF/50V	CK73F1H103Z	C239-241	254 4260 948	Electrolytic 1µF/50V	CE04W1HO 10M
C033,034	257 0002 976	Chip Ceramic 16pF/50V	CC73SL1H160J	C242	257 0014 935	Chip Ceramic 0.1 µF/25V	CK73F1E1O4Z
C035	256 1034 937	Metalized 0.047µF/50V	CF93A1H473J	C243,244	254 4260 948	Electrolytic 1µF/50V	CE04W1HO 10M
C036,037	257 0012 966	Chip Ceramic 0.01 μF/50V	CK73F1H103Z	C245	257 0006 927	Chip Ceramic 470pF/50V	CC73SLIH471J
C038	254 4254 938	Electrolytic 47µF/16V	CE04W1C470M	C246	257 0009 940	Chip Ceramic 3300pF/50V	CK73B1H3:32K
C039	257 0012 966	Chip Ceramic 0.01uF/50V	CK73F1H103Z	C247	257 0014 935	Chip Ceramic 0.1 uF/25V	CK73F131O4Z
C040	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	C248,249	257 0013 907	Chip Ceramic 0.047µF/50V	CK73F114773Z
C041	254 4254 938	Electrolytic 47µF/16V	CE04W1C470M	C250	254 4254 938	Electrolytic 47µF/16V	CE04W104-70M
C042	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	G251	257 0014 935	Chip Ceramic 0.1µF/25V	CK73F131CJ4Z
C043	254 4260 919	Electrolytic 0.22µF/50V	CE04W1HR22M	C252	257 0006 927	Chip Ceramic 470pF/50V	CC73\$LIH471J
C044	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	C253,254	257 0009 979	Chip Ceramic 5600pF/50V	CK73B1#562K
C045	257 0012 966	Chip Ceramic 0.01 µF/50V	CK73F1H103Z	C255	257 0014 935	Chip Ceramic 0.1µF/25V	CK73F131CJ4Z
C046,047	254 4260 951	Electrolytic 2.2µF/50V	CE04W1H2R2M	C256	254 4254 909	Electrolytic 10µF/16V	CE04W101 00M
C048	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	C257	254 4252 930	Electrolytic 100µF/10V	CE04W1\(\)1 O1M
C049	257 0012 966	Chip Ceramic 0.01uF/50V	CK73F1H103Z	C259,260	257 0005 944	Chip Ceramic 220pF/50V	CC73SLH221J
C051	254 4260 951	Electrolytic 2.2µF/50V	CE04W1H2R2M	C261-264	254 4254 909	Electrolytic 10µF/16V	CE04W101 00M
C052	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M	C265	257 0006 927	Chip Ceramic 470pF/50V	CC73SUH471J
C053,054	257 0005 986	Chip Ceramic 330pF/50V	CC73SL1H331J	C266	257 0005 986	Chip Ceramic 330pF/50V Electrolytic 10µF/16V	CE04With 00M
C056.057	257 0012 966	Chip Ceramic 0.01 µF/50V	CK73F1H103Z	C267,268	254 4254 909	Lieditoryad tojuni 169	OEDHAA P L POIN
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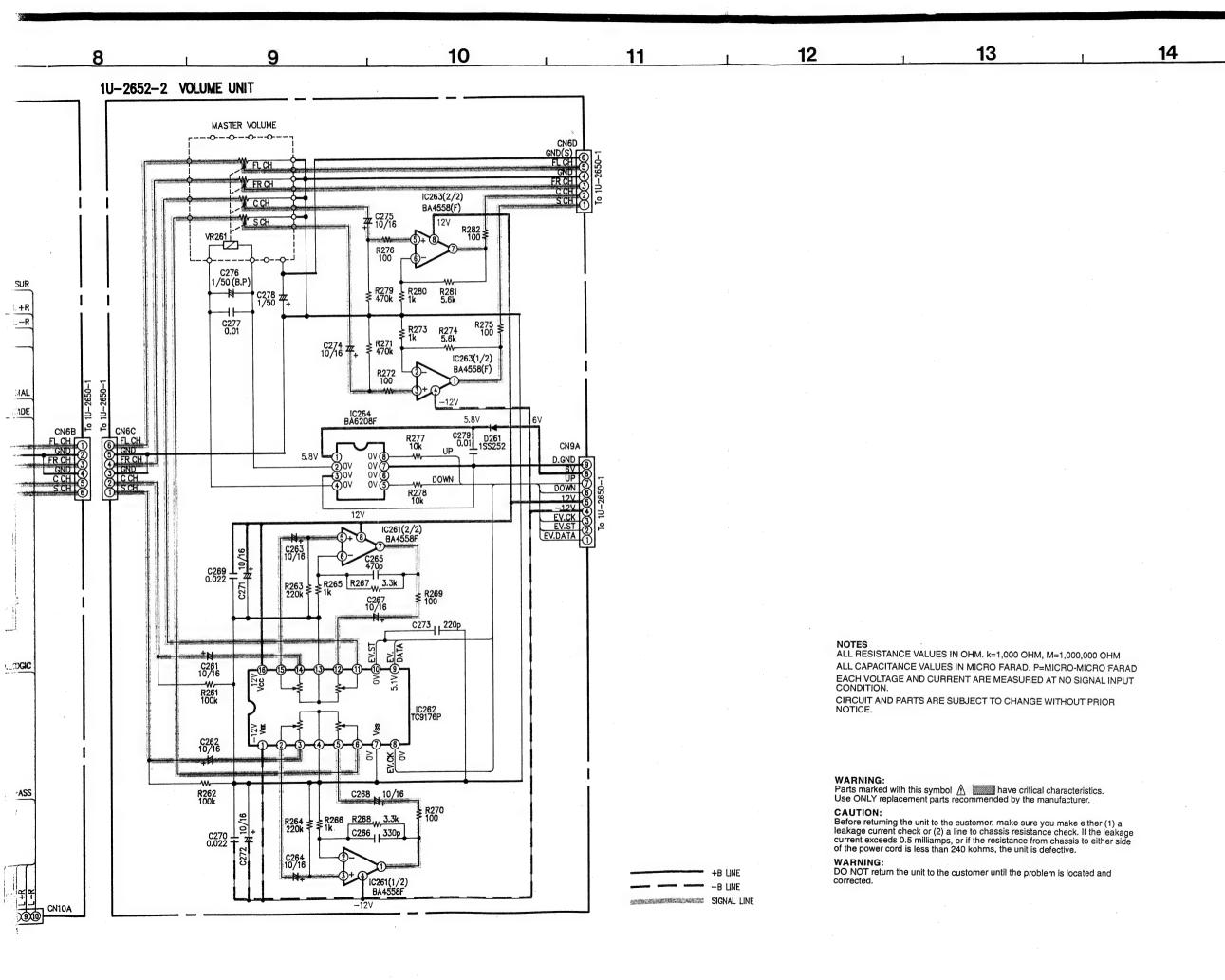




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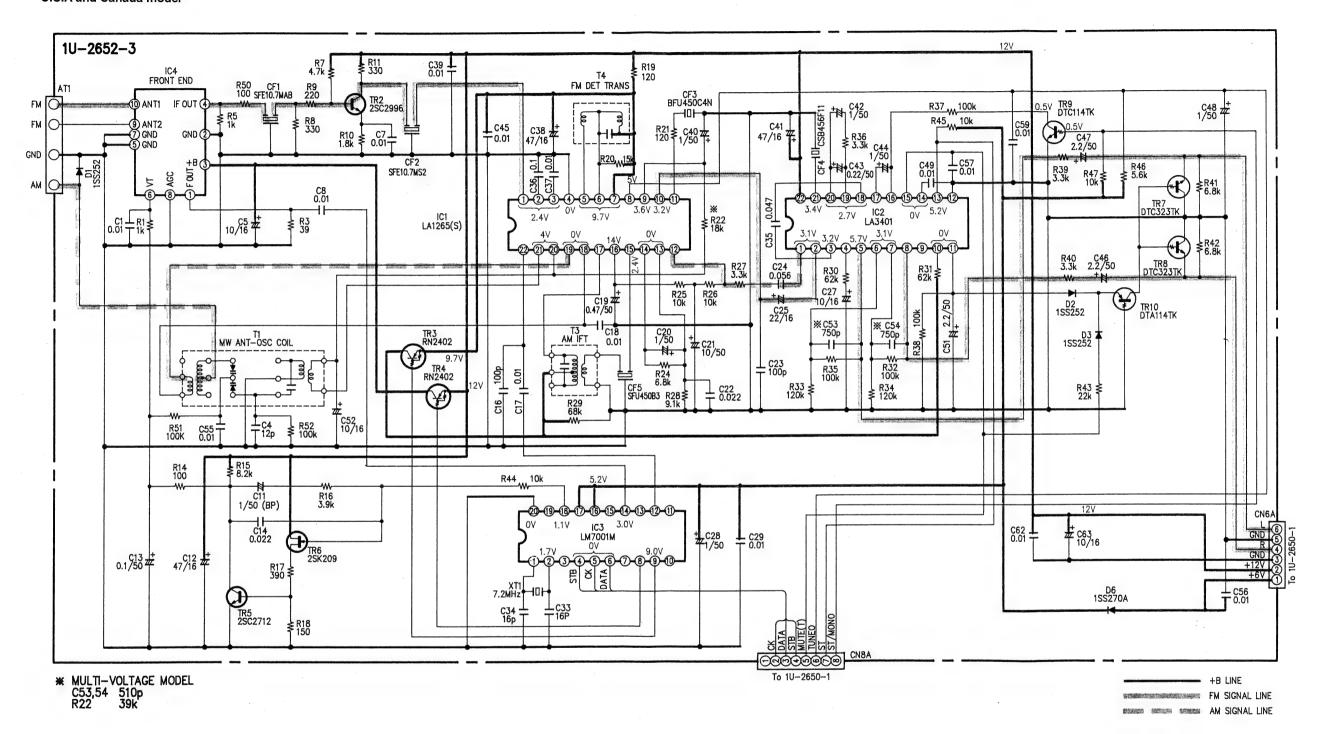






8

U.S.A and Canada model



WARNING:
Parts marked with this symbol have critical characteristics.
Use ONLY replacement parts recommended by the manufacturer.

CAUTION:
Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power cord is less than 240 kohms, the unit is defective.

WARNING:
DO NOT return the unit to the customer until the problem is located and

NOTES
ALL RESISTANCE VALUES IN OHM. k=1,000 OHM, M=1,000,000 OHM

ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD EACH VOLTAGE AND CURRENT ARE MEASURED AT NO SIGNAL INPUT CONDITION.

CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

E

+B LINE FM SIGNAL LINE AM SIGNAL LINE

EXPLODED VIEW PARTS LIST

Re	ef. No.	Part No.	Part Name	Remarks	Q'ty	Ref. No.	Part No.	Part Name	Remarks	Q'ty
•	1	Note	Main Amp. Unit Ass'y		18	58	205 0071 016	Terminal Ass'y		1
1	- 1-1	-	Main Amp. Unit		(1)	59	477 0018 001	Washer (P-87)		1
	-1-2		Headphone Unit		(1)	60	143 0867 003	Window		1
	2	254 4349 717	Chemicon 5600µF/56V	C353,354	2	61				
1	3	211 0798 103	Variable Resistor 100kohm	Balance(VR451)	1	62				
	4	211 0797 117	Variable Resistor 30kohm	Bass (VR452)	1	63	1			
	5	211 0797 104	Variable Resistor 5kohm	Treble (VR453)	1					
	6	214 9003 005	Relay	RL481	1	SCREV	VS			
	7	214 0167 005	Relay(G5Z-2A)	RL480,501	2	04	Mata	Tapping Screw(S)3×8	Black	16
	8	214 0162 000	Relay(A12W-K)	RL482	1 1	81 82	Note 473 7015 018	Tapping Screw(S)3×8	Black	7
	9	204 8354 004	Headphone Jack 6P Push Terminal		1 1	83	473 7013 018	Cup Screw 3×12	Didek	12
•	10 11	Note Note	Rear Amp. Unit Ass'y		1 ^S	84	473 7501 001	Tapping Screw(P)3×10		19
_ آا	-11-1		Rear Amp. Unit		(1)	85	Note	Earth Screw		2
	11-2	_	VFD Unit		(1)	86	477 0064 107	Fixing Screw		10
	-11-3		Power Supply Unit		(1)	87	473 7004 029	Tapping Screw(S)4×10	Black	4
	12	254 4256 790	Chemicon 2200µF/25V	C555	1	88	477 0263 005	3P Swelling Screw		4
1	13	254 4259 713	Chemicon 3300µF/35V	C517,518	2	89	475 6124 003	Nut M 12		1
go. 000.	14	393 4131 000	FLD(FIP14PM8) Ass'y	FL701	1	90	475 2003 034	Spring Wahser	BKNI	1
Λ	15	214 0170 005	Relay(TV-8)	RL551	1170					
Δ	16	Note	Fuse A	F001	11	PACKI	NG & ACCES	SORIES		
Δ	17	Note	Fuse A	F003,004	2		504 0162 000	Stylen Paper	for AC cord	1
	18	204 8442 000	4P Pin Jack(S-GND) 4P Push Terminal		1 1	101 102	504 0162 000	Stylen Paper Stylen Paper	for Set	
Δ	19	205 0592 003 Note	AC Outlet(2P)		:i1d⊊	102	505 0272 003	Poly Cover	10.000	1
<u>∧</u>	20 21	Note	Power Trans(Mini)	1.1	-41 4	103	503 1113 204	Cushion		2 1 ^S
(1) (1)	22	Note	Surround Unit Ass'y		18	105	GEN 2599	Envelope Sub Ass'y		
lĺ.	-22-1		Surround Unit		(1)	_105-1	505 8006 019	Envelope		(1)
Ш	22-2	_	Volume Unit		(1)	105-2	Note	Inst. Manual		(1)
L	-22-3	_	Tuner Unit		(1)	105-3	399 0221 006	Remote Control	RC-169	(1)
	23	Note	Front End	IC004	1	105-4		Battery		(1)
1	24	211 0802 002	Variable Resistor 100kohm	VR261	1 1	105-5	231 0922 009	Loop Antenna		(1)
	25	204 8313 003	4P Pin Jack(S-GND)		2	105-6	Note	FM Ant. Ass'y DAI Warranty Home		(1)
	26	204 8346 009	6P Pin Jack(S-GND)		1 1	105-7	Note Note	DCI Warranty Home		(1)
	27 28	Note 411 1267 301	Ant. Terminal Main Chassis			106	501 1738 007	Carton Case		1
••	28 29	411 1267 301	Center Bracket		;	107	Note	CSA Label		1
	30	104 0194 108	Foot Ass'y		4	108				
•	31	Note	Rear Panel		1					
	32	417 0492 104	Power Radiator		1					
1	33	415 0234 007	Insulating Sheet		6					
1	34	271 0237 006	Transistor 2SA1490(O/P/Y)(Z)	TR321,322,411	3					
	35	273 0386 005	Transistor 2SC3854(O/P/Y)(Z)	TR317,318,410	3					
•	36	412 3766 007	L Bracket		1					
••	37	412 3767 006	P.W.B Bracket		2					
••	38 39	412 3470 102 412 3752 008	Spring Plate Radiator Bracket		1					
	40	-12 0/32 000	—		'					
Λ	41	Note	AC Cord with plug		11/2					
涿	42	445 0056 008	Cord Bush	A CONTRACTOR OF THE CONTRACTOR	小枝					
F	43	Note	Card Spacer(L=12)		4	11.				
•	44	146 1465 649	Inner Panel		1					
	45	113 1636 106	Push Knob(P)		1			1		
	46	113 1637 008	Push Knob		1					
	47	113 1638 104	Function Knob		2		1			
	48	113 1639 006	Pre-set Knob		1					
٨	49 50	113 1640 105 Note	Tact Knob Power Trans		1			4		
1	50 51	Note 144 2321 139	Front Panel		1					
	52	112 0737 003	Volume Knob		1					
	53	112 0737 000	Knob(Round)		3	11				
•	54	102 0543 009	Top Cover		1					
	55	Note	Caution Label(A)	1	1					
	56	Note	Caution Label(B)		1					
ı	57	462 0094 007	Screw Tube		1			1		
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ADDENDUM PARTS LIST

				Part No.				
Ref. No.	Part Name	Q'ty	U.S.A. model	CANADA model	EUROPE model			
1	Main Uuit Ass'y	1 ^S	1U-2650	1U-2650	1U-2650 B			
● 11	Rear Amp. Unit Ass'y	1 ^S	1U-2651	1U-2651	1U-2651 B			
<u>16</u> 16 €	Fuse A(F001)		206 1046 001	206-1046-001	206 1015 032			
	and the second second		6.3A UL20mm	6.3A UL20mm	2,5A			
<u> 1</u> 7	Fuse A(F003,004)	- 2	206 1046 027	206 1046 027	- L			
1 1	-1.5 (Magnet)		5 A	5 A				
<u>/</u> } 20	AC Outlet(2P)	1	203 3941 008	203 3941 008	 			
<u>∧</u> 21	Power Trans(Mini)	11	233 6073 000	233 6073 000	233 6058 012			
• 22	Surround Unit Ass'y	18	1U-2652	1U-2652	1U-2652 B			
23	Front End(IC104)	1	216 0064 007	216 0064 007	216 0065 006			
27	Ant. Terminal	1	205 0505 003	205 0505 003	205 0776 007			
			4P Push	4P Push	3P Ant.(PAL)			
31	Rear Panel	1	105 1100 301	105 1100 301	105 1100 314			
<u>^</u> 41	AC Cord with plug	1-6	206 2050 009	206 2050 009	206 2063 009			
43	Card Spacer(L=12)		412 2814 057	412 2814 057	412 2814 057			
		January derektekense van d	(3)	(3)	(4)			
<u>∧</u> 50	Power Trans	1	233 6072 001	233 6072 001	233 6086 000			
55	Caution Label(A)	1	513 2209 004	513 2209 004	_			
56	Caution Label(B)	1	513 2210 006	513 2210 006	-			
SCREW	/S		L					
81	Tapping Screw(S) 3×8		473 7002 018	473 7002 018	473 7002 018			
			(15)	(15)	(16			
85	Earth Screw		477 0276 018	477 0276 018	477 0276 018			
			(2)	(2)	(1)			
PACKIN	IG & ACCESSORIES (No	t includ	ed EXPLODE	O VIEW.)				
105-2	Inst. Manual	1	511 2550 003	511 2550 003	511 2589 003			
100-2	mot wanda			511 2577 002				
105-6	FM Ant. Ass'y		395 0019 025	395 0019 025	395 0021 000			
105-7	DAI Warranty Home	1	515 0623 109					
100-1	DCI Warranty Home	1		515 0627 105				
106	CSA Label	1	_	LL-6559 2	_			

NOTE FOR PARTS LIST

- Part indicated with the mark " are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.
- When ordering of part, clearly indicate "1" and "I" (i) to avoid mis-supplying.
- Ordering part without stating its part number can not be supplied.
- Part indicated with the mark "★" is not illustrated in the exploded view.

WARNING:

Parts marked with this symbol \triangle have critical characteristics.

Use ONLY replacement parts recommended by the manufacturer.

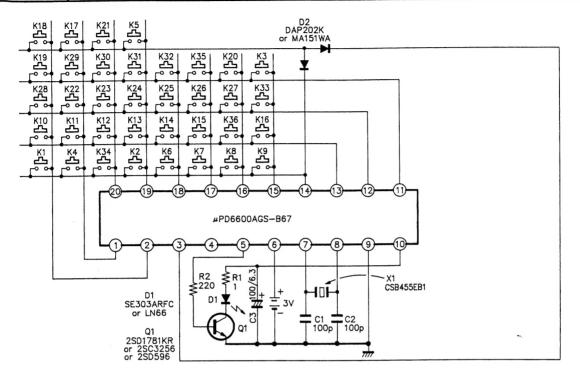
Α

В

REMOTE CONTROL (RC-169)

SCHEMATIC DIAGRAM

4 3



SPECIFICATIONS

1. When each Key is pressed double transmission is not performed. When one side is released from double pressed state, tramsdmit code on unreleased side.

ALL RESISTANCE VALUES IN OHM. k=1,000 OHM, M=1,000,000 OHM ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD EACH VOLTAGE AND CURRENT ARE MEASURED AT NO SIGNAL INPUT CONDITION. CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

REMOTE CONTROL UNIT ASS'Y

PARTS LIST OF EXPLODED VIEW

Ref. No.	Part No.	Part Name	Remarks	Q'ty	Ref. No.	Part No.	Part Name	Remarks	Q'ty
SEMICON	NDUCTORS (GROUP		1	_	Case Top Ass'y		1	
IC1 Q1 or or D1 or D2		μPD6600AGSB67 Transistor 2SD1781KR Transistor 2SC3256 Transistor 2SD596 LED SE303ARF-C LED LN66 Diode DAP202K Diode MA151WA	μ-Com Infrared Infrared		2 3 4 5 6 7 8 9 10	- - - - - - - -	Panel Switch Rubber Case Bottom Ass'y Cover Battery Tapping Screw Filter Spring Coil Spring Coil Poly Cover P.W.B. Unit Ass'y		1 1 1 2 1 1 1 1 1 S
or RESISTO	RS GROUP	Diode WATSTWA		L					
R1 R2	241 2407 901 241 2397 901	Carbon Resistor 1ohm, 1/4W Carbon Resistor 220ohm 1/4W	RD14B2E010J RD14B2E221J						
CAPACIT	ORS GROUP								
C1,02 C3	257 0004 961 254 4213 034	Chip Ceramic 100pF/50V Electrolytic 100µF/6.3V	CC73SL1H101J CE04W0J101M						
OTHER C	ROUP								
X1	_	(P.W. Board) Ceramic Resonator	CSB455EB	(1)					

CORDS TABLE

KEY		Svste	em add	ress				Custon	n code			Exter		Mask	Judgment	Remarks
No.	C1	C2	СЗ	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	K	4 DLAY (DEV)
K1	0	0	1	0	0	1	1	1	0	1	0	1	0	0	0	◆ PLAY (REV)
K2			0	1	0	0	0	1	1	1	0	1	0	0	0	PLAY ▶
K3	···.ö	1	0	0	0		1	1	0	1	1	1	1	0	0	CENTER ▼
K4			1 1	0	0	<u>ó</u>	0	1	1	1	0	1	0	0	0	PLAY ▶
K5			1 1	0	0	1	1	0	0	1	0	1	Ö	0	0	A/B
K6			1	0	0		1	1	1	1	Ö	1	0	0	0	■ STOP
K7	0	0	0	1	0	1	. 1	0	1	0	1	1	0	0	0	DISC SKIP
K8		ö		1	0	0	1 1	1	1	1	0	1	0	0	0	■ STOP
K9			···•j····	· · · · · ·		0	1 1	0	1	1	0	1	0	0	0	FF▶▶
K10				1	0	· · · · · ·	0	0	1 1	1	Ö	1	0	0	0	H
K11				···;···			0	0	1 1	1	0	1 1	0	0	0	>>
K12		1				1	· · · · · ·	1 1	0	0	0	1 1	1	0	0	TUNER
1		++	0	0	0	1	0	1	1	0	0	1	1	0	0	VCR
K13	0			0	0	0	1	0	1 1 1	0	0	1 1	1	0	0	VDP/DBS
K14	0						····	0	0	111	0	1 1	1	0	0	DAT/TAPE MONITOR
K15		11				· · · · · ·	····	0	0	0	0	1 1	1	0	0	PHONO
K16	0				1			0	\ .	1	· · · · · ·	11	0	0	0	◄ REW
K17			1	 			····	· · · · · · · · ·	· · · · ·	1		1 1	1 1	0	0	PRESET A
K18	0	0	1	1	0	1	0	1	0	1	0	1	1	0	0	PRESET ▼
K19	0	0	1		1		11	0		1	1	1 1	1 1	0	0	MASTER VOL. ▼
K20	0		0		0			1 1		1	1	1	1	0	0	REAR ▼
K21	0	1.1.	0	0	0	ļ			·}··· ĭ ···	0	1	1	1 1	0		DELAY A
K22	0	1	0	0	0		1	0	·};		····	1	1	0		T. TONE
K23	0	1	0	0	0	1		1	· · · · · · ·	0	1	1	1	0	o	SURR. MODE
K24	0	1	0	0	0	0	0	0	1	0	1	+ +	1	0	0	DELAY ▼
K25	0	1	0	0	0	0			·			0	1			MEMORY
K26] 0	0	1	1	0	11			· · · · · ·		· · · · · ·		· · · · · · ·			1
K27	0	0	1		0	0						1	· · · · · · ·			BYPASS
K28	Ö	1	0	0	0	11							· · · · · · ·		· · · · · ö · · ·	MUTING
K29	0	1.1	0	0	0	0	0	0	0					·}··ö··	· · · · · · · · · · · ·	CENTER A
K30	0	1	0	0	0	1 1	0	1	0	1 1	1 1	1	++	0	0	REAR A
K31	0	1	0	0	0	11	1	0	0				· · · · · · ·			MASTER VOL.
K32	0	1	0	0	0	11	0	0	0							2
K33	0	Ö	1	1	0	1.1.	1 1	0	11				· · · ; · ·			PAUSE
K34	0	Ö	0	1	0	1 1	0	1	. 1	1	0		0			POWER
K35		1	0	0	0] 1	O	0	0	0	0					CD
K36		1	0		0	0	0	1	0	0	0	1	1 1	0	0	CD

NOTE FOR PARTS LIST

- Part indicated with the mark " " are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.
- When ordering of part, clearly indicate "1" and "I" (i) to avoid mis-supplying.
- Ordering part without stating its part number can not be supplied.
- Part indicated with the mark "★" is not illustrated in the exploded view.
- Not including Carbon Film ±5%, 1/6W, 1/4W Type in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)

Parts marked with this symbol \wedge have critical characteristics. Use ONLY replacement parts recommended by the manufacturer.